AMENDMENTS TO THE CLAIMS

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This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously presented) An antiviral compound of Formula I

$$R_1 \xrightarrow{O} N \xrightarrow{R_3} R_2$$

$$R_1 \xrightarrow{N} R_2$$

$$R_4 \xrightarrow{N} R_2$$

or pharmaceutically acceptable salts thereof, wherein,

 R_2 , R_3 and R_4 are independently hydrogen,

and wherein

- $X = \text{hydrogen, hydroxy, nitro, } C_{1-6}\text{alkyl, } C_{3-6}\text{cycloalkyl, phenyl, } C_{1-6}\text{alkeneyl, } C_{3-6}\text{cycloalkeneyl, } C_{1-6}\text{alkeneoxy, or benzo;}$
- R_a, R_b, R_c, R_d, R_e, R_f, R_h, R_L, R_m, R_n, R_o, R_p independently = hydrogen, amino, C₁₋₅alkyl, hydroxy, aryl, substituted aryl, substituted amino, mono or dialkyl-substituted amino, cycloalkyl-substituted amino, aryl-substituted amino,

 R_k = amino, C_{1-5} alkyl, hydroxy, aryl, substituted aryl, substituted amino, mono or dialkyl-substituted amino, cycloalkyl-substituted amino, aryl-substituted amino,

 R_g , R_i independently = hydrogen, hydroxy, or C_{1-5} alkyl;

 R_j = hydrogen, amino, C_{1-5} alkyl, hydroxy, aryl, substituted aryl, substituted amino, alkyl-substituted amino, cycloalkyl-substituted amino, aryl-substituted amino, PrS,

when R₁ is C₆H₅CH=CH, R₂ is hydrogen and R₃ is phenyl, R₄ cannot be phenyl;

when R₁ is phenyl, R₂ is hydrogen, and R₃ is benzoyl, R₄ cannot be benzoyl;

when R₁ is phenyl, R₂ is substituted benzyl, R₃ is hydrogen and R₄ is hydrogen, R_n, R_o and R_p cannot all be hydrogen;

when R₁ is phenyl, R₃ is hydrogen and R₄ is hydrogen, R₂ cannot be benzyl or phenyl;

when R₁ is phenyl, R₂ is hydrogen, R₃ cannot be phenyl together with R₄ as benzoyl; and

when R₁ is phenyl, R₂ is hydrogen, R₃ and R₄ cannot both be benzyl.

2. (Original) A pharmaceutical composition comprising an antiviral compound according to claim 1 and optionally one or more pharmaceutical acceptable carriers or derivatives.

3. (Original) The pharmaceutical composition according to claim 3, further comprising one or more known antiviral compounds or molecules.

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- 4. (Withdrawn) A method for reducing, retarding or otherwise inhibiting growth and/or replication of a virus comprising contacting a cell infected with said virus or exposed to said virus with a compound according to claim 1.
- 5. (Withdrawn) The method according to claim 4, wherein said virus is a Lentivirus.
- 6. (Withdrawn) The method according to claim 5, wherein said Lentivirus is Human Immunodeficiency Virus (HIV).
- 7. (Withdrawn) The method according to claim 6, wherein said compound is selected from the group consisting of :
 - (3-Chlorocinnamoyl)quanidine,
 - (3-Bromocinnamoyl)guanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - (2-Bromocinnamoyl)guanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - 3-methylcinnamoylguanidine,
 - 2-methylcinnamoylguanidine,
 - 2,3-dimethylcinnamoylguanidine,

Cinnamoylguanidine,

6-methoxy-2-naphthoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 3,4-dichlorocinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 2-ethylcinnamoylguanidine,
- (4-Chlorocinnamoyl)quanidine,
- 2-napthoylguanidine,
- 2,5-dimethylcinnamoylguanidine,
- 3-isopropylcinnamoylguanidine hydrochloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- 3-phenylcinnamoylguanidine,
- (4-Bromocinnamoyl)guanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 3-(trifluoromethoxy)cinnamoylguanidine,

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2-(trifluoromethyl)cinnamoylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylquanidine,

2-ethoxycinnamoylguanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

4-(trifluoromethyl)cinnamoylguanidine,

(4-Methoxycinnamoyl)guanidine,

2-t-butylcinnamoylguanidine,

4-methylcinnamoylguanidine,

2-fluorocinnamoylguanidine,

2-phenylcinnamoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,

3-t-butylcinnamoylguanidine,

3,4-difluorocinnamoylguanidine,

5-(N,N-hexamethylene)amiloride,

3-fluorocinnamoylguanidine,

5-bromo-2-methoxycinnamoylguanidine,

3-ethoxycinnamoylguanidine,

3,4-(methylenedioxy)cinnamoylguanidine,

(2-Methoxycinnamoyl)guanidine,

2'4 DichloroBenazamil HCI

2,3,5,6,-tetramethylcinnamoylguanidine,

3-(2-napthyl)acryloylguanidine,

2-(1-napthyl)acetoylguanidine,

2,3-difluorocinnamoylquanidine,

(3-Methoxycinnamoyl)guanidine,

4-isopropylcinnamoylguanidine.

2,4,6-trimethylcinnamoylguanidine,

N-(cinnamoyl)-N'phenylguanidine,

2-(cyclohex-1-en-1yl)cinnamoylguanidine,

2-(2-napthyl)acetoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

4-phenylcinnamoylguanidine,

4-fluorocinnamoylguanidine,

N,N'-bis-(cinnamoyl)-N"-phenylguanidine,

(2-Furanacryloyl)guanidine,

Phenamil methanesulfonate salt,

Benzamil hydrochloride,

(3-Nitrocinnamoyl)guanidine,

Benzyoylguanidine,

(4-Phenoxybenzoyl)quanidine,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

5-(N-Methyl-N-isobutyl)amiloride,

2-cyclohexylcinnamoylguanidine,

4-ethoxycinnamoylguanidine,

2,4-dichlorocinnamolyguanidine,

5-(N-Ethyl-N-isopropyl)amiloride,

N-amidino-3-amino-5-hexamethyleneimino-6phenyl-

2-pyrazinecarboxamide,

> (a-Methylcinnamoyl)guanidine, cinnamoylguanidine hydrochloride, [(4-Chlorophenoxy-acetyl]guanidine, N-amidino-3-amino-5-phenyl-6-chloro-2pyrazinecarboxamide, 5-(4-fluorophenyl)amiloride, (trans-2-Phenylcyclopropanecarbonyl)guanidine, (2-Nitrocinnamoyl)guanidine, trans-3-Furanacryoylguanidine, 1-napthoylguanidine, 5-tert-butylamino-amiloride, 3-methoxy –HMA, (3-phenylpropanoyl)guanidine, 4-t-butylcinnamoylguanidine, 5-(N,N-Dimethyl)amiloride hydrochloride, N,N'-Bis(3-phenylpropanoyl)guanidine, N-Benzoyl-N'-cinnamoylguanidine and 1-bromo-2-napthoylguanidine.

- 8. (Withdrawn) The method according to claim 6, wherein said compound is selected from the group consisting of 4-phenylbenzoylguanidine, (3-bromocinnamoyl)guanidine, 3-(trifluoromethyl)cinnamoylguanidine, 5-(N,N-hexamethylene)amiloride, and (5-Phenyl-penta-2,4-dienoyl)guanidine.
- 9. (Withdrawn) The method according to any one of claims 6 to 8, wherein said HIV is HIV-1.
- 10. (Withdrawn) The method according to claim 4 wherein said virus is a Coronavirus.
- (Withdrawn) The method according to claim 10, wherein said Coronavirus is the Severe Acute Respiratory Syndrome virus (SARS).
- 12. (Withdrawn) The method according to claim 11, wherein said compound is selected from the group consisting of
 - 2,3-difluorocinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-(2-napthyl)acryloylguanidine,
 - (3-Chlorocinnamoyl)quanidine,

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3-(cyclohex-1-en-1-yl)cinnamoylguanidine,

2,5-dimethylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

4-isopropylcinnamoylguanidine,

(3-Bromocinnamoyl)guanidine,

6-methoxy-2-naphthoylguanidine,

5-(N-Methyl-N-isobutyl)amiloride,

3-phenylcinnamoylguanidine,

(2-Chlorocinnamoyl)guanidine,

2'4 DichloroBenazamil HCI

4-phenylcinnamoylguanidine,

4-(trifluoromethyl)cinnamoylguanidine,

3-(trifluoromethoxy)cinnamoylguanidine,

3-(trifluoromethyl)cinnamoylguanidine,

2-ethoxycinnamoylguanidine,

cinnamoylguanidine hydrochloride,

4-ethoxycinnamoylguanidine,

(2-Bromocinnamoyl)guanidine,

2,6-dichlorocinnamoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

5-tert-butylamino-amiloride,

3-t-butylcinnamoylguanidine,

5-bromo-2-fluorocinnamoylguanidine,

(4-Chlorocinnamoyl)guanidine,

2-t-butylcinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

6-lodoamiloride,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

(4-BromocinnamovI)quanidine,

(4-Hydroxycinnamoyl)quanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

(3-Nitrocinnamoyl)guanidine,

3-fluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

2-ethylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

2-napthoylguanidine,

5-(4-fluorophenyl)amiloride,

2-(trifluoromethyl)cinnamoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine, (trans-2-

Phenylcyclopropanecarbonyl)guanidine,

N,N'-bis(3phenylpropanoyl)-N"-

phenylguanidine,,

1-napthoylguanidine,

Benzamil hydrochloride,

3-methoxy -HMA,

4-methylcinnamoylguanidine,

4-fluorocinnamoylguanidine,

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3,4-(methylenedioxy)cinnamoylguanidine, 5-(N,N-hexamethylene)amiloride, N-(cinnamoyl)-N'phenylguanidine, 5-(N-Ethyl-N-isopropyl)amiloride, 3-methylcinnamoylguanidine, 2-methylcinnamoylguanidine, 2,3,5,6,-tetramethylcinnamoylguanidine, trans-3-Furanacryoylguanidine, (4-Methoxycinnamoyl)guanidine, (2-Furanacryloyl)guanidine, (3-phenylpropanoyl)guanidine, 2-(2-napthyl)acetoylguanidine. Cinnamoylguanidine, (2-Methoxycinnamoyl)quanidine, [3-(3-Pyridyl)acryloyl]quanidine, 4-phenylbenzoylguanidine, 2,4-dichlorocinnamolyguanidine, (3-Methoxycinnamoyl)quanidine, 2-fluorocinnamoylguanidine, (4-Phenoxybenzoyl)guanidine, (a-Methylcinnamoyl)quanidine, 5-(3'-bromophenyl)penta-2,4-dienoylguanidine, (5-Phenyl-penta-2,4-dienoyl)guanidine, (Quinoline-2-carbonyl)quanidine, (Phenylacetyl)quanidine, N,N'-Bis(amidino)napthalene-2,6dicarboxamide, 6-bromo-2-napthoylguanidine, 1-bromo-2-napthoylguanidine,

2-chloro-6-fluorocinnamoylguanidine, [(4-Chlorophenoxy-acetyl]guanidine, Phenamil methanesulfonate salt, N-Benzoyl-N'-cinnamoylguanidine and N-(2-napthoyl)-N'-phenylguanidine.

- 13. (Withdrawn) The method according to claim 11, wherein said compound is selected from the group consisting of cinnamoylguanidine, trans-3-(1-napthyl)acryloylguanidine, and 6-methoxy-2-naphthoylguanidine.
- 14. (Withdrawn) The method according to claim 10, wherein said Coronavirus is human Coronavirus 229E.
- 15. (Withdrawn) The method according to claim 14, wherein said compound is selected from the group consisting of

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- 4-isopropylcinnamoylguanidine,
- 3,4-dichlorocinnamoylguanidine,
- 3-(trifluoromethoxy)cinnamoylguanidine,
- 4-t-butylcinnamoylguanidine,
- 3-isopropylcinnamoylguanidine hydrochloride,
- 3-t-butylcinnamoylguanidine,
- 2-t-butylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 5-bromo-2-methoxycinnamoylguanidine,
- 2,3-difluorocinnamoylguanidine,
- 3-(2-napthyl)acryloylguanidine,
- 2-phenylcinnamoylguanidine,
- 3-phenylcinnamoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 3-(trifluoromethyl)cinnamoylguanidine,
- (4-Phenoxybenzoyl)guanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
- (4-Bromocinnamoyl)guanidine,
- 5-(N,N-hexamethylene)amiloride,
- 1-napthoylguanidine,
- 5-(4-fluorophenyl)amiloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- (3-Bromocinnamoyl)guanidine,
- 2,5-dimethylcinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- 6-methoxy-2-naphthoylguanidine,
- (4-Chlorocinnamoyl)guanidine,
- (3-Methoxycinnamoyl)quanidine,
- 5-bromo-2-fluorocinnamoylguanidine,
- 5-(N,N-Dimethyl)amiloride hydrochloride,
- Cinnamoylguanidine,
- (2-Methoxycinnamoyl)guanidine,
- (a-Methylcinnamoyl)guanidine,
- 4-phenylcinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- (2-Bromocinnamoyl)quanidine,
- 2,4,6-trimethylcinnamoylguanidine,
- (trans-2-Phenylcyclopropanecarbonyl)guanidine,
- (3-Chlorocinnamoyl)guanidine,
- 2-(1-napthyl)acetoylguanidine,
- 2-ethylcinnamoylguanidine,
- 2-cyclohexylcinnamoylguanidine,
- (4-Hydroxycinnamoyl)guanidine,
- 2-ethoxycinnamoylguanidine,

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3-methylcinnamoylguanidine,

2-methylcinnamoylguanidine,

3-fluorocinnamovlguanidine,

cinnamoylguanidine hydrochloride,

2.3-dimethylcinnamovlguanidine.

2-fluorocinnamoylquanidine,

4-fluorocinnamoylguanidine,

3,4-difluorocinnamoylguanidine,

5-tert-butylamino-amiloride,

2-napthoylquanidine,

N,N'-Bis(amidino)napthalene-2,6-dicarboxamide.

N,N'-Bis(3-phenylpropanoyl)guanidine,

4-methylcinnamoylguanidine,

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

3-ethoxycinnamoylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

(4-Methoxycinnamoyl)guanidine,

(2-Chlorocinnamoyl)guanidine,

(3-Nitrocinnamoyl)guanidine,

4-ethoxycinnamoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

2-(2-napthyl)acetoylguanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

5-(2'-bromophenyl)penta-2,4dienoylguanidine,

(4-Bromocinnamoyl)quanidine,

(2-NitrocinnamoyI)quanidine,

(3-Chlorocinnamoyl)guanidine,

(4-Methoxycinnamoyl)guanidine,

4-(trifluoromethyl)cinnamoylguanidine,

[(E)-3-(4-Dimethylaminophenyl)-2-

methylacryloyl]quanidine,

N-Benzoyl-N'-cinnamoylguanidine,

4-phenylbenzoylguanidine,

trans-3-Furanacryoylquanidine,

N-amidino-3-amino-5-phenyl-6-chloro-2-

Pyrazinecarboxamide,

N-(cinnamoyl)-N'phenylguanidine,

Cinnamoylguanidine,

3-methoxy-amiloride,

(3-phenylpropanoyl)guanidine,

3-methoxy –HMA,

Benzvovlauanidine.

N-amidino-3,5-diamino-6-phynyl-2-

Pyrazinecarboxamide,

(Quinoline-2-carbonyl)guanidine, [3-(3-Pyridyl)acryloyl]guanidine, N-Cinnamoyl-N',N'-dimethylguanidine, N-(2-napthoyl)-N'-phenylguanidine and (Phenylacetyl)guanidine.

- 16. (Withdrawn) The method according to claim 14, wherein said compound is selected from the group consisting of
 - 2-t-butylcinnamoylguanidine,
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 2,6-dichlorocinnamoylguanidine,
 - 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
 - 2-cyclohexylcinnamoylguanidine,
 - 5-bromo-2-methoxycinnamoylguanidine,
 - 2-phenylcinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-phenylcinnamoylguanidine,
 - (3-Bromocinnamoyl)guanidine,
 - 5-(N,N-hexamethylene)amiloride,
 - trans-3-(1-napthyl)acryloylguanidine,
 - 3-(2-napthyl)acryloylguanidine,
 - 2,4-dichlorocinnamolyguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - 4-methylcinnamoylguanidine,
 - (4-Chlorocinnamoyl)guanidine,
 - 3-fluorocinnamoylguanidine.
 - 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
 - (a-Methylcinnamoyl)guanidine,
 - 2,3,5,6,-tetramethylcinnamoylguanidine,
 - 2-fluorocinnamoylguanidine,
 - (3-NitrocinnamoyI)quanidine,
 - 2,5-dimethylcinnamoylguanidine,
 - 3-t-butylcinnamoylguanidine,
 - (3-Methoxycinnamoyl)guanidine,
 - 3-methylcinnamoylguanidine,
 - 3-isopropylcinnamoylguanidine hydrochloride,
 - (2-Bromocinnamoyl)quanidine,
 - 3-ethoxycinnamoylguanidine,
 - (5-Phenyl-penta-2,4-dienoyl)quanidine.
 - (2-Chlorocinnamoyl)guanidine,
 - 4-ethoxycinnamoylguanidine,
 - 4-fluorocinnamoylguanidine,
 - 3,4-difluorocinnamoylguanidine,
 - N-(3-phenylpropanoyl)-N'-

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Phenylguanidine, 2,4,6-trimethylcinnamoylguanidine, 2-methylcinnamoylguanidine, (trans-2-Phenylcyclopropanecarbonyl)

(trans-2-Phenylcyclopropanecarbonyl)-guanidine,

(4-Phenoxybenzoyl)guanidine,

(2-Methoxycinnamoyl)guanidine,

Cinnamoylguanidine,

3,4-(methylenedioxy)cinnamoylguanidine,

N,N'-Bis(amidino)napthalene-2,6-

Dicarboxamide,

2,3-dimethylcinnamoylguanidine,

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

N,N'-Bis(3-phenylpropanoyl)guanidine,

2,3-difluorocinnamoylguanidine,

1-napthoylguanidine,

6-methoxy-2-naphthoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

2-ethoxycinnamoylguanidine,

2-napthoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

2-(trifluoromethyl)cinnamoylguanidine,

cinnamoylguanidine hydrochloride,

(4-Hydroxycinnamoyl)guanidine,

5-(4-fluorophenyl)amiloride,

2-(1-napthyl)acetoylguanidine,

(2-Furanacryloyl)guanidine,

N-Cinnamoyl-N',N'-dimethylguanidine,

2-(2-napthyl)acetoylguanidine and

N,N'-bis(3phenylpropanoyl)-N"-

Phenylguanidine.

- 17. (Withdrawn) The method according to claim 10, wherein said Coronavirus is human Coronavirus OC43.
- 18. (Withdrawn) The method according to claim 17, wherein said compound is selected from the group consisting of

3-methylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- (3-Bromocinnamoyl)guanidine,
- (2-Chlorocinnamoyl)guanidine,
- 3,4-dichlorocinnamoylguanidine,
- 3-(trifluoromethyl)cinnamoylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

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4-isopropylcinnamoylguanidine,
Cinnamoylguanidine,
6-methoxy-2-naphthoylguanidine,
2,4-dichlorocinnamolyguanidine,
(4-Chlorocinnamoyl)guanidine,
5-(N,N-hexamethylene)amiloride,
(4-Bromocinnamoyl)guanidine,
2,6-dichlorocinnamoylguanidine,
5-bromo-2-methoxycinnamoylguanidine,
(5-Phenyl-penta-2,4-dienoyl)guanidine,
3-(trifluoromethoxy)cinnamoylguanidine and
2-t-butylcinnamoylguanidine.

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- 19. (Withdrawn) The method according to claim 10, wherein said Coronavirus is porcine respiratory Coronavirus (PRCV).
- 20. (Withdrawn) The method according to claim 19, wherein said compound is selected from the group consisting of

5-(N,N-hexamethylene)amiloride, 6-methoxy-2-naphthoylguanidine, Cinnamoylguanidine, N-(3-phenylpropanoyl)-N'-phenylguanidine, 3-methylcinnamoylguanidine, (3-Bromocinnamoyl)guanidine, (trans-2-Phenylcyclopropanecarbonyl)guanidine, trans-3-(1-napthyl)acryloylguanidine and 2-(2-napthyl)acetoylguanidine.

- 21. (Withdrawn) The method according to claim 10, wherein said Coronavirus is bovine Coronvirus (BCV).
- 22. (Withdrawn) The method according to claim 21, wherein said compound is selected from the group consisting of

(3-Bromocinnamoyl)guanidine, 3-(trifluoromethyl)cinnamoylguanidine, 6-methoxy-2-naphthoylguanidine, 5-(N,N-hexamethylene)amiloride, trans-3-(1-napthyl)acryloylguanidine, Cinnamoylguanidine, (5-Phenyl-penta-2,4-dienoyl)guanidine, 2-(2-napthyl)acetoylguanidine, (trans-2-Phenylcyclopropanecarbonyl)guanidine,

4-phenylbenzoylguanidine.

- N-(3-phenylpropanoyl)-N'-phenylguanidine and
- 23. (Withdrawn) The method according to claim 10, wherein said Coronavirus is any one of the known coronavirus isolates listed in Table 1.

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- 24. (Withdrawn) The method according to claim 23, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 4-t-butylcinnamoylquanidine,
 - 3-isopropylcinnamoylguanidine hydrochloride,
- 25. (Withdrawn) The method according to claim 4, wherein said virus is the Hepatitis C virus.
- 26. (Withdrawn) The method according to claim 25, wherein said compound is selected from the group consisting of
 - 2,3-dimethylcinnamoylguanidine,
 - 2,4,6-trimethylcinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - (4-Bromocinnamoyl) guanidine,
 - 2,5-dimethylcinnamoylguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 4-(trifluoromethyl)cinnamovlguanidine.
 - 6-methoxy-2-naphthoylguanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - (4-Chlorocinnamovl)quanidine.
 - (2-Bromocinnamoyl)guanidine,
 - 2,6-dichlorocinnamoylguanidine,
 - (3-BromocinnamoyI)guanidine,
 - (3-Chlorocinnamoyl)guanidine,
 - 2-(trifluoromethyl)cinnamoylguanidine,
 - (4-Phenoxybenzoyl)guanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 4-isopropylcinnamoylquanidine,
 - trans-3-(1-napthyl)acryloylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 2-t-butylcinnamoylguanidine,
 - 2-ethylcinnamoylquanidine,
 - 4-methylcinnamoylguanidine,

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5-bromo-2-methoxycinnamoylguanidine,

3-(trifluoromethoxy)cinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

1-napthoylguanidine,

3-t-butylcinnamoylquanidine,

4-phenylbenzoylguanidine,

(5-Phenyl-penta-2,4-dienoyl)guanidine,

N-(cinnamoyl)-N'phenylguanidine,

3-isopropylcinnamoylguanidine

hydrochloride,

Benzamil hydrochloride,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-

phenylguanidine,

3-(2-napthyl)acryloylguanidine,

5-(N-Methyl-N-isobutyl)amiloride,

2'4 DichloroBenazamil HCI,

5-tert-butylamino-amiloride,

5-(N-Ethyl-N-isopropyl)amiloride,

(4-Methoxycinnamoyl)guanidine,

4-fluorocinnamoylquanidine,

(3-NitrocinnamoyI)guanidine,

4-ethoxycinnamoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

(trans-2-

Phenylcyclopropanecarbonyl)guanidine,

3-ethoxycinnamoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

4-phenylcinnamoylguanidine,

trans-3-Furanacryoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-

phenylguanidine,

(2-Furanacryloyl)quanidine,

3-(cyclohex-1-en-1-yl)cinnamoylguanidine,

Cinnamoylguanidine hydrochloride,

5-(N,N-hexamethylene)amiloride,

2,3-difluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

(a-Methylcinnamoyl)guanidine,

(2-NitrocinnamoyI)quanidine,

6-lodoamiloride,

3,4-(methylenedioxy)cinnamoylguanidine,

2-ethoxycinnamoylguanidine,

Cinnamoylguanidine,

2-phenylcinnamoylguanidine,

2-(cyclohex-1-en-1yl)cinnamoylguanidine,

2-napthoylguanidine,

3-phenylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

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5-(4-fluorophenyl)amiloride, (3-Methoxycinnamoyl)quanidine, 2-fluorocinnamoylguanidine, 5-(3'-bromophenyl)penta-2,4dienoylguanidine, [(4-Chlorophenoxy-acetyl]guanidine, (3-phenylpropanoyl)guanidine, 2-chloro-6-fluorocinnamoylguanidine, 3-fluorocinnamoylguanidine, 2-methylcinnamoylguanidine, (2-Methoxycinnamoyl)guanidine, 1-bromo-2-napthovlguanidine. 3.4.5-trimethoxycinnamoylguanidine. 3-methylcinnamoylquanidine, 3-(trans-hept-1-en-1-yl)cinnamoylguanidine, Phenamil methanesulfonate salt, 2,4-dichlorocinnamolyguanidine, (4-Nitrocinnamoyl)quanidine, 3,4-difluorocinnamoylguanidine and [(E)-3-(4-Dimethylaminophenyl)-2methylacryloyl]guanidine.

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- 27. (Withdrawn) The method according to claim 4, wherein said virus is Equine Arteritis virus.
- 28. (Withdrawn) The method according to claim 27, wherein said compound is selected from the group consisting of

5-(N,N-hexamethylene)amiloride, (3-Bromocinnamoyl)guanidine, trans-3-(1-napthyl)acryloylguanidine, 2-t-butylcinnamoylguanidine and 2-(cyclohex-1-en-1yl)cinnamoylguanidine.

- 29. (Withdrawn) A method according to claim 4, wherein said compound is provided as a pharmaceutical composition according to claim 2 or claim 3.
- 30. (Withdrawn) A method for preventing the infection of a cell exposed to a virus comprising contacting said cell with a compound according to claim 1.
- 31. (Withdrawn) The method according to claim 30, wherein said virus is a Lentivirus.

32. (Withdrawn) The method according to claim 31, wherein said Lentivirus is Human Immunodeficiency Virus (HIV).

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- 33. (Withdrawn) The method according to claim 32, wherein said compound is selected from the group consisting of
 - (3-Chlorocinnamoyl)guanidine,
 - (3-Bromocinnamoyl)guanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - (2-Bromocinnamoyl)guanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - 3-methylcinnamoylguanidine,
 - 2-methylcinnamoylguanidine,
 - 2,3-dimethylcinnamoylguanidine,

Cinnamoylguanidine,

6-methoxy-2-naphthoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 3,4-dichlorocinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 2-ethylcinnamoylguanidine,
- (4-Chlorocinnamoyl)guanidine,
- 2-napthoylguanidine,
- 2,5-dimethylcinnamoylguanidine,
- 3-isopropylcinnamoylquanidine hydrochloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- 3-phenylcinnamoylguanidine,
- (4-Bromocinnamoyl)quanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 3-(trifluoromethoxy)cinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,
- 2-ethoxycinnamoylguanidine,
- N-(3-phenylpropanoyl)-N'-phenylguanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- (4-Methoxycinnamoyl)guanidine,
- 2-t-butylcinnamoylguanidine,
- 4-methylcinnamoylguanidine,
- 2-fluorocinnamoylguanidine,
- 2-phenylcinnamoylguanidine,
- N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,
- 3-t-butylcinnamoylguanidine,
- 3,4-difluorocinnamoylguanidine,

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5-(N,N-hexamethylene)amiloride,

3-fluorocinnamoylguanidine,

5-bromo-2-methoxycinnamoylguanidine,

3-ethoxycinnamoylguanidine,

3,4-(methylenedioxy)cinnamoylguanidine,

(2-Methoxycinnamoyl)guanidine,

2'4 DichloroBenazamil HCI.

2,3,5,6,-tetramethylcinnamoylguanidine,

3-(2-napthyl)acryloylguanidine,

2-(1-napthyl)acetoylguanidine,

2,3-difluorocinnamoylguanidine,

(3-Methoxycinnamoyl)guanidine,

4-isopropylcinnamoylguanidine,

2,4,6-trimethylcinnamoylguanidine,

N-(cinnamoyl)-N'phenylguanidine,

2-(cyclohex-1-en-1yl)cinnamoylguanidine,

2-(2-napthyl)acetoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

4-phenylcinnamoylguanidine,

4-fluorocinnamoylguanidine,

N,N'-bis-(cinnamoyl)-N"-phenylguanidine,

(2-Furanacryloyl)guanidine,

Phenamil methanesulfonate salt,

Benzamil hydrochloride,

(3-NitrocinnamoyI)guanidine,

Benzvovlauanidine.

(4-Phenoxybenzoyl)guanidine,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

5-(N-Methyl-N-isobutyl)amiloride.

2-cyclohexylcinnamoylguanidine,

4-ethoxycinnamoylguanidine,

2,4-dichlorocinnamolyguanidine,

5-(N-Ethyl-N-isopropyl)amiloride,

N-amidino-3-amino-5-hexamethyleneimino-6-phenyl-

2-pyrazinecarboxamide,

(a-Methylcinnamoyl)quanidine,

cinnamoylguanidine hydrochloride,

[(4-Chlorophenoxy-acetyl]guanidine,

N-amidino-3-amino-5-phenyl-6-chloro-2-

pyrazinecarboxamide,

5-(4-fluorophenyl)amiloride,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

(2-NitrocinnamoyI)guanidine,

trans-3-Furanacryoylguanidine,

1-napthoylguanidine,

5-tert-butylamino-amiloride,

3-methoxy -HMA,

(3-phenylpropanoyl)guanidine,

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- 4-t-butylcinnamoylguanidine, 5-(N,N-Dimethyl)amiloride hydrochloride, N,N'-Bis(3-phenylpropanoyl)guanidine, N-Benzoyl-N'-cinnamoylguanidine and 1-bromo-2-napthoylguanidine.
- 34. (Withdrawn) The method according to claim 32, wherein said compound is selected from the group consisting of 4-phenylbenzoylguanidine, (3-bromocinnamoyl)guanidine, 3-(trifluoromethyl)cinnamoylguanidine, 5-(N,N-hexamethylene)amiloride, and (5-Phenyl-penta-2,4-dienoyl)guanidine.
- 35. (Withdrawn) The method according to claim 32, wherein said HIV is HIV-1.
- 36. (Withdrawn) The method according to claim 30 wherein said virus is a Coronavirus.
- 37. (Withdrawn) The method according to claim 36, wherein said Coronavirus is the Severe Acute Respiratory Syndrome virus (SARS).
- 38. (Withdrawn) The method according to claim 37, wherein said compound is selected from the group consisting of
 - 2,3-difluorocinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-(2-napthyl)acryloylguanidine,
 - (3-Chlorocinnamoyl)guanidine,
 - 2'4 DichloroBenazamil HCI,
 - 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
 - 2,5-dimethylcinnamoylguanidine,
 - trans-3-(1-napthyl)acryloylguanidine,
 - 4-isopropylcinnamoylguanidine,
 - (3-Bromocinnamoyl)quanidine,
 - 6-methoxy-2-naphthoylguanidine,
 - 5-(N-Methyl-N-isobutyl)amiloride,
 - 3-phenylcinnamoylguanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - 4-phenylcinnamoylguanidine,
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 2-ethoxycinnamoylguanidine,

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cinnamoylguanidine hydrochloride,

4-ethoxycinnamoylguanidine,

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(2-Bromocinnamoyl)guanidine,

2,6-dichlorocinnamoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

5-tert-butylamino-amiloride,

3-t-butylcinnamoylguanidine,

5-bromo-2-fluorocinnamoylguanidine,

(4-Chlorocinnamoyl)guanidine,

2-t-butylcinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

6-lodoamiloride,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

(4-Bromocinnamoyl)guanidine,

(4-Hydroxycinnamoyl)guanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

(3-Nitrocinnamoyl)guanidine,

3-fluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

2-ethylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

2-napthoylguanidine,

5-(4-fluorophenyl)amiloride,

2-(trifluoromethyl)cinnamoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine, (trans-2-

Phenylcyclopropanecarbonyl)guanidine,

N,N'-bis(3phenylpropanoyl)-N"-

phenylguanidine,,

1-napthoylguanidine,

Benzamil hydrochloride,

3-methoxy -HMA,

4-methylcinnamoylguanidine,

4-fluorocinnamoylguanidine,

3,4-(methylenedioxy)cinnamoylguanidine,

5-(N,N-hexamethylene)amiloride,

N-(cinnamoyl)-N'phenylguanidine,

5-(N-Ethyl-N-isopropyl)amiloride,

3-methylcinnamoylguanidine,

2-methylcinnamoylquanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

trans-3-Furanacryoylguanidine,

(4-Methoxycinnamoyl)guanidine,

(2-Furanacryloyl)guanidine,

(3-phenylpropanoyl)guanidine,

2-(2-napthyl)acetoylguanidine,

Cinnamoylguanidine,

(2-Methoxycinnamoyl)guanidine,

[3-(3-Pyridyl)acryloyl]guanidine,

> 4-phenylbenzovlguanidine. 2,4-dichlorocinnamolyquanidine, (3-Methoxycinnamoyl)guanidine, 2-fluorocinnamoylguanidine, (4-Phenoxybenzoyl)quanidine, (a-Methylcinnamoyl)guanidine, 5-(3'-bromophenyl)penta-2,4-dienoylguanidine, (5-Phenyl-penta-2,4-dienoyl)guanidine, (Quinoline-2-carbonyl)guanidine, (Phenylacetyl)quanidine. N,N'-Bis(amidino)napthalene-2,6dicarboxamide. 6-bromo-2-napthoylguanidine, 1-bromo-2-napthoylquanidine, 2-chloro-6-fluorocinnamoylguanidine, [(4-Chlorophenoxy-acetyl]guanidine, Phenamil methanesulfonate salt, N-Benzoyl-N'-cinnamoylguanidine and

39. (Withdrawn)The method according to claim 37, wherein said compound is selected from the group consisting of cinnamoylguanidine, trans-3-(1-napthyl)acryloylguanidine, and 6-methoxy-2-naphthoylguanidine.

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- 40. (Withdrawn)The method according to claim 36, wherein said Coronavirus is human Coronavirus 229E
- 41. (Withdrawn)The method according to claim 40, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,

N-(2-napthoyl)-N'-phenylguanidine.

- 3,4-dichlorocinnamoylguanidine,
- 3-(trifluoromethoxy)cinnamoylguanidine,
- 4-t-butylcinnamoylguanidine,
- 3-isopropylcinnamoylguanidine hydrochloride,
- 3-t-butylcinnamoylguanidine,
- 2-t-butylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylquanidine,

5-bromo-2-methoxycinnamoylguanidine,

- 2,3-difluorocinnamoylguanidine,
- 3-(2-napthyl)acryloylguanidine,
- 2-phenylcinnamoylquanidine,

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- 3-phenylcinnamoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 3-(trifluoromethyl)cinnamoylguanidine,
- (4-Phenoxybenzoyl)guanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
- (4-Bromocinnamoyl)guanidine,
- 5-(N,N-hexamethylene)amiloride,
- 1-napthoylguanidine,
- 5-(4-fluorophenyl)amiloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- (3-Bromocinnamoyl)guanidine,
- 2,5-dimethylcinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- 6-methoxy-2-naphthoylguanidine,
- (4-Chlorocinnamoyl)guanidine,
- (3-Methoxycinnamoyl)guanidine,
- 5-bromo-2-fluorocinnamoylguanidine,
- 5-(N,N-Dimethyl)amiloride hydrochloride,
- Cinnamoylguanidine,
- (2-Methoxycinnamoyl)guanidine,
- (a-Methylcinnamoyl)guanidine,
- 4-phenylcinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- (2-Bromocinnamoyl)quanidine,
- 2,4,6-trimethylcinnamoylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

- (3-Chlorocinnamoyl)guanidine,
- 2-(1-napthyl)acetoylguanidine,
- 2-ethylcinnamoylguanidine,
- 2-cyclohexylcinnamoylguanidine,
- (4-Hydroxycinnamoyl)guanidine,
- 2-ethoxycinnamoylguanidine,
- 3-methylcinnamoylguanidine,
- 2-methylcinnamoylguanidine,
- 3-fluorocinnamoylguanidine,
- cinnamoylguanidine hydrochloride,
- 2,3-dimethylcinnamoylguanidine,
- 2-fluorocinnamoylguanidine,
- 4-fluorocinnamoylguanidine,
- 3,4-difluorocinnamoylguanidine,
- 5-tert-butylamino-amiloride,
- 2-napthovlquanidine.
- N,N'-Bis(amidino)napthalene-2,6-dicarboxamide,
- N,N'-Bis(3-phenylpropanoyl)guanidine,

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4-methylcinnamoylguanidine,

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

3-ethoxycinnamoylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

(4-Methoxycinnamoyl)guanidine,

(2-Chlorocinnamoyl)guanidine,

(3-Nitrocinnamoyl)guanidine,

4-ethoxycinnamoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

2-(2-napthyl)acetoylguanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

5-(2'-bromophenyl)penta-2,4-dienoylguanidine,

(4-Bromocinnamoyl)guanidine,

(2-NitrocinnamoyI)guanidine,

(3-Chlorocinnamoyl)guanidine,

(4-Methoxycinnamoyl)quanidine,

4-(trifluoromethyl)cinnamoylguanidine,

[(E)-3-(4-Dimethylaminophenyl)-2-

methylacryloyl]guanidine,

N-Benzoyl-N'-cinnamoylguanidine,

4-phenylbenzoylguanidine,

trans-3-Furanacryoylguanidine,

N-amidino-3-amino-5-phenyl-6-chloro-2-

Pyrazinecarboxamide,

N-(cinnamoyl)-N'phenylguanidine,

Cinnamoylguanidine,

3-methoxy-amiloride,

(3-phenylpropanoyl)quanidine,

3-methoxy -HMA,

Benzyoylguanidine,

N-amidino-3,5-diamino-6-phynyl-2-

Pyrazinecarboxamide,

(Quinoline-2-carbonyl)guanidine,

[3-(3-Pyridyl)acryloyl]guanidine,

N-Cinnamoyl-N', N'-dimethylquanidine,

N-(2-napthoyl)-N'-phenylguanidine and

(Phenylacetyl)guanidine.

42. (Withdrawn) The method according to claim 40, wherein said compound is selected from the group consisting of

2-t-butylcinnamoylguanidine,

4-isopropylcinnamoylguanidine,

3,4-dichlorocinnamoylguanidine,

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- 3-(trifluoromethoxy)cinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
- 2-cyclohexylcinnamoylguanidine,
- 5-bromo-2-methoxycinnamoylguanidine,
- 2-phenylcinnamoylguanidine,
- 4-t-butylcinnamoylguanidine,
- 3-phenylcinnamoylguanidine,
- (3-Bromocinnamoyl)guanidine,
- 5-(N,N-hexamethylene)amiloride,
- trans-3-(1-napthyl)acryloylguanidine,
- 3-(2-napthyl)acryloylguanidine,
- 2,4-dichlorocinnamolyguanidine,
- 3-(trifluoromethyl)cinnamoylguanidine,
- 5-bromo-2-fluorocinnamoylguanidine,
- 4-methylcinnamoylguanidine,
- (4-Chlorocinnamoyl)guanidine,
- 3-fluorocinnamoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- (a-Methylcinnamoyl)guanidine,
- 2,3,5,6,-tetramethylcinnamoylguanidine,
- 2-fluorocinnamoylguanidine,
- (3-Nitrocinnamoyl)guanidine,
- 2,5-dimethylcinnamoylguanidine,
- 3-t-butylcinnamoylquanidine,
- (3-Methoxycinnamoyl)guanidine,
- 3-methylcinnamoylguanidine,
- 3-isopropylcinnamoylguanidine hydrochloride,
- (2-Bromocinnamoyl)guanidine,
- 3-ethoxycinnamoylguanidine,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- (2-Chlorocinnamoyl)guanidine,
- 4-ethoxycinnamoylguanidine,
- 4-fluorocinnamoylguanidine,
- 3,4-difluorocinnamoylguanidine,
- N-(3-phenylpropanoyl)-N'-
- Phenylguanidine,
- 2,4,6-trimethylcinnamoylguanidine,
- 2-methylcinnamoylguanidine,
- (trans-2-Phenylcyclopropanecarbonyl)-quanidine,
- (4-Phenoxybenzoyl)guanidine,
- (2-Methoxycinnamoyl)guanidine,
- Cinnamoylguanidine,
- 3,4-(methylenedioxy)cinnamoylguanidine,
- N,N'-Bis(amidino)napthalene-2,6-
- Dicarboxamide,
- 2,3-dimethylcinnamoylguanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

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N.N'-Bis(3-phenylpropanoyl)quanidine. 2.3-difluorocinnamoylguanidine, 1-napthoylguanidine, 6-methoxy-2-naphthoylguanidine, 5-(N,N-Dimethyl)amiloride hydrochloride, 2-ethoxycinnamoylguanidine, 2-napthoylguanidine, 3,4,5-trimethoxycinnamoylguanidine, 2-(trifluoromethyl)cinnamoylguanidine, cinnamoylguanidine hydrochloride, (4-Hydroxycinnamoyl)quanidine, 5-(4-fluorophenyl)amiloride. 2-(1-napthyl)acetoylguanidine, (2-Furanacryloyl)quanidine, N-Cinnamoyl-N',N'-dimethylquanidine, 2-(2-napthyl)acetoylguanidine and N,N'-bis(3phenylpropanoyl)-N"-Phenylguanidine.

- 43. (Withdrawn) The method according to claim 36, wherein said Coronavirus is human Coronavirus OC43.
- 44. (Withdrawn) The method according to claim 43, wherein said compound is selected from the group consisting of

3-methylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

(3-Bromocinnamoyl)guanidine,

(2-Chlorocinnamoyl)quanidine,

3,4-dichlorocinnamoylguanidine,

3-(trifluoromethyl)cinnamoylguanidine.

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

4-isopropylcinnamoylguanidine,

Cinnamoylguanidine,

6-methoxy-2-naphthoylguanidine,

2,4-dichlorocinnamolyguanidine,

(4-Chlorocinnamoyl)guanidine,

5-(N,N-hexamethylene)amiloride,

(4-Bromocinnamoyl)guanidine,

2,6-dichlorocinnamoylguanidine,

5-bromo-2-methoxycinnamoylguanidine,

(5-Phenyl-penta-2,4-dienoyl)guanidine,

3-(trifluoromethoxy)cinnamoylguanidine and

2-t-butylcinnamoylguanidine.

45. (Withdrawn) The method according to claim 36, wherein said Coronavirus is porcine respiratory Coronavirus (PRCV).

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46. (Withdrawn) The method according to claim 45, wherein said compound is selected from the group consisting of

5-(N,N-hexamethylene)amiloride,

6-methoxy-2-naphthoylguanidine,

Cinnamoylguanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

3-methylcinnamoylquanidine,

(3-Bromocinnamoyl)guanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

trans-3-(1-napthyl)acryloylguanidine and

2-(2-napthyl)acetoylguanidine.

- 47. (Withdrawn) The method according to claim 36, wherein said Coronavirus is bovine Coronvirus (BCV).
- 48. (Withdrawn) The method according to claim 47, wherein said compound is selected from the group consisting of

(3-Bromocinnamoyl)quanidine,

3-(trifluoromethyl)cinnamoylguanidine,

6-methoxy-2-naphthoylguanidine,

5-(N,N-hexamethylene)amiloride,

trans-3-(1-napthyl)acryloylguanidine,

Cinnamovlquanidine.

(5-Phenyl-penta-2,4-dienoyl)guanidine,

2-(2-napthyl)acetoylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

N-(3-phenylpropanoyl)-N'-phenylquanidine and

4-phenylbenzoylguanidine.

- 49. (Withdrawn) The method according to claim 36, wherein said Coronavirus is any one of the known Coronavirus isolates listed in Table 1.
- 50. (Withdrawn) The method according to claim 49, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylquanidine,
 - 3.4-dichlorocinnamovlguanidine.
 - 3-(trifluoromethoxy)cinnamoylguanidine,

> 4-t-butylcinnamoylguanidine, 3-isopropylcinnamoylguanidine hydrochloride,

51. (Withdrawn) The method according to claim 30, wherein said virus is the Hepatitis C virus.

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- 52. (Withdrawn) The method according to claim 51, wherein said compound is selected from the group consisting of
 - 2,3-dimethylcinnamoylguanidine,
 - 2,4,6-trimethylcinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - (4-Bromocinnamoyl)guanidine.
 - 2,5-dimethylcinnamoylguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 6-methoxy-2-naphthoylguanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - (4-Chlorocinnamoyl)guanidine,
 - (2-Bromocinnamoyl)guanidine,
 - 2,6-dichlorocinnamoylguanidine,
 - (3-Bromocinnamoyl)guanidine,
 - (3-Chlorocinnamoyl)quanidine,
 - 2-(trifluoromethyl)cinnamoylguanidine,
 - (4-Phenoxybenzoyl)guanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 4-isopropylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 4-t-butylcinnamoylguanidine,
- 2-t-butylcinnamoylguanidine.
- 2-ethylcinnamoylguanidine,
- 4-methylcinnamoylguanidine,
- 5-bromo-2-methoxycinnamoylguanidine,
- 3-(trifluoromethoxy)cinnamoylquanidine,
- 2-cyclohexylcinnamoylguanidine,
- 1-napthoylguanidine,
- 3-t-butylcinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- N-(cinnamoyl)-N'phenylquanidine,
- 3-isopropylcinnamoylguanidine

hydrochloride,

Benzamil hydrochloride,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-

phenylguanidine,

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3-(2-napthyl)acryloylguanidine,

5-(N-Methyl-N-isobutyl)amiloride,

2'4 DichloroBenazamil HCI,

5-tert-butylamino-amiloride,

5-(N-Ethyl-N-isopropyl)amiloride,

(4-Methoxycinnamoyl)guanidine,

4-fluorocinnamoylguanidine,

(3-Nitrocinnamoyl)guanidine,

4-ethoxycinnamoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

(trans-2-

Phenylcyclopropanecarbonyl)guanidine,

3-ethoxycinnamoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

4-phenylcinnamoylguanidine,

trans-3-Furanacryoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-

phenylguanidine,

(2-Furanacryloyl)guanidine,

3-(cyclohex-1-en-1-yl)cinnamoylguanidine,

cinnamoylguanidine hydrochloride,

5-(N,N-hexamethylene)amiloride,

2,3-difluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

(a-Methylcinnamoyl)guanidine,

(2-NitrocinnamoyI)guanidine,

6-lodoamiloride,

3,4-(methylenedioxy)cinnamoylguanidine,

2-ethoxycinnamoylguanidine.

Cinnamoylquanidine,

2-phenylcinnamoylguanidine,

2-(cyclohex-1-en-1yl)cinnamoylguanidine,

2-napthoylguanidine,

3-phenylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

5-(4-fluorophenyl)amiloride,

(3-Methoxycinnamoyl)guanidine,

2-fluorocinnamoylguanidine,

5-(3'-bromophenyl)penta-2,4-

dienoylquanidine,

[(4-Chlorophenoxy-acetyl]guanidine,

(3-phenylpropanoyl)guanidine,

2-chloro-6-fluorocinnamoylguanidine,

3-fluorocinnamoylguanidine,

2-methylcinnamoylguanidine,

(2-Methoxycinnamoyl)quanidine,

1-bromo-2-napthoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

3-methylcinnamoylguanidine,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine, Phenamil methanesulfonate salt, 2,4-dichlorocinnamolyguanidine, (4-Nitrocinnamoyl)guanidine, 3,4-difluorocinnamoylguanidine and [(E)-3-(4-Dimethylaminophenyl)-2-methylacryloyl]guanidine.

- 53. (Withdrawn) The method according to claim 30, wherein said virus is the Equine Arteritis virus.
- 54. (Withdrawn) The method according to claim 53, wherein said compound is selected from the group consisting of

5-(N,N-hexamethylene)amiloride, (3-Bromocinnamoyl)guanidine, trans-3-(1-napthyl)acryloylguanidine, 2-t-butylcinnamoylguanidine and 2-(cyclohex-1-en-1yl)cinnamoylguanidine.

- 55. (Withdrawn) The method according to claim 30, wherein said compound is provided as a pharmaceutical composition according to claim 2 or claim 3.
- 56. (Withdrawn) A method for the therapeutic or prophylactic treatment of a subject infected with or exposed to a virus, comprising the administration of a compound according to claim 1 to a subject in need of said treatment.
- 57. (Withdrawn) The method according to claim 56, wherein said virus is a Lentivirus.
- 58. (Withdrawn) The method according to claim 57, wherein said Lentivirus is Human Immunodeficiency Virus (HIV).
- 59. (Withdrawn) The method according to claim 58, wherein said compound is selected from the group consisting of
 - (3-Chlorocinnamoyl)guanidine,
 - (3-Bromocinnamoyl)guanidine,
 - (2-Chlorocinnamoyl)quanidine,

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- (2-Bromocinnamoyl)guanidine,
- 3-(trifluoromethyl)cinnamoylguanidine,
- 5-bromo-2-fluorocinnamoylguanidine,
- 3-methylcinnamoylguanidine,
- 2-methylcinnamoylguanidine,
- 2,3-dimethylcinnamoylguanidine,

Cinnamoylguanidine,

6-methoxy-2-naphthoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 3,4-dichlorocinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 2-ethylcinnamoylguanidine,
- (4-Chlorocinnamoyl)guanidine,
- 2-napthoylguanidine,
- 2,5-dimethylcinnamoylguanidine,
- 3-isopropylcinnamoylguanidine hydrochloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- 3-phenylcinnamoylguanidine,
- (4-Bromocinnamoyl)guanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 3-(trifluoromethoxy)cinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- N.N'-bis(3phenylpropanoyl)-N"-phenylguanidine,
- 2-ethoxycinnamoylguanidine.
- N-(3-phenylpropanoyl)-N'-phenylguanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- (4-Methoxycinnamoyl)guanidine,
- 2-t-butylcinnamoylquanidine,
- 4-methylcinnamoylguanidine,
- 2-fluorocinnamoylguanidine,
- 2-phenylcinnamoylguanidine,
- N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,
- 3-t-butylcinnamoylguanidine,
- 3,4-difluorocinnamoylguanidine,
- 5-(N,N-hexamethylene)amiloride,
- 3-fluorocinnamoylguanidine,
- 5-bromo-2-methoxycinnamoylguanidine,
- 3-ethoxycinnamoylguanidine,
- 3,4-(methylenedioxy)cinnamoylguanidine,
- (2-Methoxycinnamoyl)guanidine,
- 2'4 DichloroBenazamil HCI,
- 2,3,5,6,-tetramethylcinnamoylguanidine,
- 3-(2-napthyl)acryloylguanidine,
- 2-(1-napthyl)acetoylguanidine,
- 2,3-difluorocinnamoylguanidine,
- (3-Methoxycinnamoyl)guanidine,
- 4-isopropylcinnamoylguanidine,

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- 2,4,6-trimethylcinnamoylguanidine,
- N-(cinnamoyl)-N'phenylguanidine,
- 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
- 2-(2-napthyl)acetoylguanidine,
- (4-Hydroxycinnamoyl)guanidine,
- 4-phenylcinnamoylguanidine,
- 4-fluorocinnamoylguanidine,
- N,N'-bis-(cinnamoyl)-N"-phenylguanidine,
- (2-Furanacryloyl)guanidine,
- Phenamil methanesulfonate salt.
- Benzamil hydrochloride,
- (3-NitrocinnamovI)quanidine,
- Benzyoylguanidine,
- (4-Phenoxybenzoyl)guanidine,
- 3-(trans-hept-1-en-1-yl)cinnamoylguanidine,
- 5-(N-Methyl-N-isobutyl)amiloride,
- 2-cyclohexylcinnamoylguanidine,
- 4-ethoxycinnamoylguanidine,
- 2,4-dichlorocinnamolyguanidine,
- 5-(N-Ethyl-N-isopropyl)amiloride,
- N-amidino-3-amino-5-hexamethyleneimino-6-phenyl-2-
- pyrazinecarboxamide,
- (a-Methylcinnamoyl)guanidine,
- cinnamoylguanidine hydrochloride,
- [(4-Chlorophenoxy-acetyl]guanidine,
- N-amidino-3-amino-5-phenyl-6-chloro-2-pyrazinecarboxamide,
- 5-(4-fluorophenyl)amiloride,
- (trans-2-Phenylcyclopropanecarbonyl)guanidine,
- (2-Nitrocinnamoyl)guanidine,
- trans-3-Furanacryoylquanidine,
- 1-napthoylguanidine,
- 5-tert-butylamino-amiloride,
- 3-methoxy -HMA,
- (3-phenylpropanoyl)guanidine,
- 4-t-butylcinnamoylguanidine,
- 5-(N,N-Dimethyl)amiloride hydrochloride,
- N,N'-Bis(3-phenylpropanoyl)quanidine,
- N-Benzoyl-N'-cinnamoylguanidine and
- 1-bromo-2-napthoylguanidine.
- 60. (Withdrawn) The methods according to claim 58, wherein said compound is selected from the group consisting of 4-phenylbenzoylguanidine, (3-bromocinnamoyl)guanidine, 3-(trifluoromethyl)cinnamoylguanidine, 5-(N,N-hexamethylene)amiloride, and (5-Phenyl-penta-2,4-dienoyl)guanidine.
- 61. (Withdrawn) The method according to claim 58, wherein said HIV is HIV-1.

- 62. (Withdrawn) The method according to claim 56 wherein said virus is a Coronavirus.
- 63. (Withdrawn) The method according to claim 62, wherein said Coronavirus is the Severe Acute Respiratory Syndrome virus (SARS).

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- 64. (Withdrawn) The method according to claim 63, wherein said compound is selected from the group consisting of
 - 2,3-difluorocinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-(2-napthyl)acryloylguanidine,
 - (3-Chlorocinnamoyl)guanidine,
 - 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
 - 2,5-dimethylcinnamoylguanidine,
 - trans-3-(1-napthyl)acryloylguanidine,
 - 4-isopropylcinnamoylguanidine,
 - (3-Bromocinnamoyl)guanidine,
 - 6-methoxy-2-naphthoylguanidine,
 - 5-(N-Methyl-N-isobutyl)amiloride,
 - 3-phenylcinnamoylguanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - 2'4 DichloroBenazamil HCI,
 - 4-phenylcinnamoylguanidine,
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 2-ethoxycinnamoylguanidine,
 - cinnamoylguanidine hydrochloride,
 - 4-ethoxycinnamoylguanidine,
 - (2-Bromocinnamoyl)guanidine,
 - 2,6-dichlorocinnamoylguanidine,
 - 3,4,5-trimethoxycinnamoylguanidine,
 - 5-tert-butylamino-amiloride,
 - 3-t-butylcinnamoylguanidine.
 - 5-bromo-2-fluorocinnamoylguanidine,
 - (4-Chlorocinnamoyl)guanidine,
 - 2-t-butylcinnamoylguanidine,
 - 2-cyclohexylcinnamoylguanidine,
 - 6-lodoamiloride,
 - 3-(trans-hept-1-en-1-yl)cinnamoylguanidine,
 - (4-Bromocinnamoyl) guanidine,
 - (4-Hydroxycinnamoyl)guanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

(3-Nitrocinnamoyl)guanidine,

3-fluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

2-ethylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

2-napthoylguanidine,

5-(4-fluorophenyl)amiloride,

2-(trifluoromethyl)cinnamoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,,

1-napthoylguanidine,

Benzamil hydrochloride,

3-methoxy -HMA,

4-methylcinnamoylguanidine,

4-fluorocinnamoylguanidine,

3,4-(methylenedioxy)cinnamoylguanidine,

5-(N,N-hexamethylene)amiloride,

N-(cinnamoyl)-N'phenylguanidine,

5-(N-Ethyl-N-isopropyl)amiloride,

3-methylcinnamoylguanidine,

2-methylcinnamoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

trans-3-Furanacryoylguanidine,

(4-MethoxycinnamovI)quanidine.

(2-FuranacryloyI)quanidine,

(3-phenylpropanoyl)guanidine,

2-(2-napthyl)acetoylguanidine,

Cinnamoylquanidine,

(2-Methoxycinnamoyl)guanidine,

[3-(3-Pyridyl)acryloyl]guanidine,

4-phenylbenzoylguanidine,

2,4-dichlorocinnamolyguanidine,

(3-Methoxycinnamoyl)guanidine,

2-fluorocinnamoylguanidine,

(4-Phenoxybenzoyl)guanidine,

(a-Methylcinnamoyl)quanidine,

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

(5-Phenyl-penta-2,4-dienoyl)quanidine,

(Quinoline-2-carbonyl)guanidine,

(Phenylacetyl)guanidine,

N,N'-Bis(amidino)napthalene-2,6-dicarboxamide,

6-bromo-2-napthoylguanidine,

1-bromo-2-napthoylguanidine,

2-chloro-6-fluorocinnamoylguanidine,

[(4-Chlorophenoxy-acetyl]guanidine,

Phenamil methanesulfonate salt,

N-Benzoyl-N'-cinnamoylguanidine and

- N-(2-napthoyl)-N'-phenylquanidine.
- 65. (Withdrawn) The method according to claim 63, wherein said compound is selected from the group consisting of cinnamoylguanidine, trans-3-(1-napthyl)acryloylguanidine, and 6-methoxy-2-naphthoylguanidine.

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- 66. (Withdrawn) The method according to claim 62, wherein said Coronavirus is human Coronavirus 229E.
- 67. (Withdrawn) The method according to claim 66, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-isopropylcinnamoylguanidine hydrochloride,
 - 3-t-butylcinnamoylguanidine,
 - 2-t-butylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 5-bromo-2-methoxycinnamoylguanidine,
- 2,3-difluorocinnamoylguanidine,
- 3-(2-napthyl)acryloylguanidine,
- 2-phenylcinnamoylguanidine,
- 3-phenylcinnamoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 3-(trifluoromethyl)cinnamoylguanidine,
- (4-Phenoxybenzoyl)guanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
- (4-Bromocinnamoyl)guanidine,
- 5-(N,N-hexamethylene)amiloride,
- 1-napthoylguanidine,
- 5-(4-fluorophenyl)amiloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- (3-Bromocinnamoyl)guanidine,
- 2,5-dimethylcinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- 6-methoxy-2-naphthoylguanidine,
- (4-Chlorocinnamoyl)guanidine,
- (3-Methoxycinnamoyl)quanidine,
- 5-bromo-2-fluorocinnamoylguanidine,

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Amendment And Response

to Non-Final Action dated January 5, 2011

5-(N,N-Dimethyl)amiloride hydrochloride,

Cinnamoylguanidine,

(2-Methoxycinnamoyl)guanidine,

(a-Methylcinnamoyl)guanidine,

4-phenylcinnamoylguanidine,

2,6-dichlorocinnamoylguanidine,

(2-Bromocinnamoyl)guanidine,

2,4,6-trimethylcinnamoylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

(3-Chlorocinnamoyl)guanidine,

2-(1-napthyl)acetoylguanidine,

2-ethylcinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

2-ethoxycinnamoylguanidine,

3-methylcinnamoylguanidine,

2-methylcinnamoylguanidine,

3-fluorocinnamoylguanidine,

cinnamoylguanidine hydrochloride,

2,3-dimethylcinnamoylguanidine,

2-fluorocinnamoylguanidine,

4-fluorocinnamoylguanidine,

3,4-difluorocinnamoylguanidine,

5-tert-butylamino-amiloride,

2-napthoylguanidine,

N,N'-Bis(amidino)napthalene-2,6-dicarboxamide,

N,N'-Bis(3-phenylpropanoyl)guanidine,

4-methylcinnamoylguanidine,

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

3-ethoxycinnamoylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

(4-Methoxycinnamoyl)guanidine,

(2-Chlorocinnamoyl)guanidine,

(3-Nitrocinnamoyl)guanidine,

4-ethoxycinnamoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

2-(2-napthyl)acetoylguanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

5-(2'-bromophenyl)penta-2,4-dienoylguanidine,

(4-Bromocinnamoyl)guanidine,

(2-NitrocinnamoyI)guanidine,

(3-Chlorocinnamoyl)guanidine,

(4-Methoxycinnamoyl)quanidine,

4-(trifluoromethyl)cinnamoylguanidine,

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[(E)-3-(4-Dimethylaminophenyl)-2methylacryloyllquanidine, N-Benzoyl-N'-cinnamoylguanidine, 4-phenylbenzoylguanidine, trans-3-Furanacryoylguanidine, N-amidino-3-amino-5-phenyl-6-chloro-2-Pyrazinecarboxamide, N-(cinnamoyl)-N'phenylguanidine, Cinnamoylguanidine, 3-methoxy-amiloride, (3-phenylpropanoyl)quanidine, 3-methoxy -HMA, Benzyoylguanidine, N-amidino-3,5-diamino-6-phynyl-2-Pyrazinecarboxamide, (Quinoline-2-carbonyl)quanidine, [3-(3-Pyridyl)acryloyl]guanidine, N-Cinnamoyl-N',N'-dimethylguanidine, N-(2-napthoyl)-N'-phenylquanidine and (Phenylacetyl)guanidine.

- 68. (Withdrawn) The method according to claim 66, wherein said compound is selected from the group consisting of
 - 2-t-butylcinnamoylguanidine,
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 2,6-dichlorocinnamoylguanidine,
 - 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
 - 2-cyclohexylcinnamoylguanidine,
 - 5-bromo-2-methoxycinnamoylguanidine,
 - 2-phenylcinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-phenylcinnamoylguanidine,
 - (3-Bromocinnamoyl)quanidine,
 - 5-(N,N-hexamethylene)amiloride,
 - trans-3-(1-napthyl)acryloylguanidine,
 - 3-(2-napthyl)acryloylguanidine,
 - 2,4-dichlorocinnamolyguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - 4-methylcinnamoylguanidine,
 - (4-Chlorocinnamoyl)guanidine,
 - 3-fluorocinnamoylguanidine,
 - 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
 - (a-Methylcinnamoyl)guanidine,
 - 2,3,5,6,-tetramethylcinnamoylguanidine,
 - 2-fluorocinnamoylquanidine,

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- (3-Nitrocinnamoyl)guanidine,
- 2,5-dimethylcinnamoylguanidine,
- 3-t-butylcinnamoylguanidine,
- (3-Methoxycinnamoyl)guanidine,
- 3-methylcinnamoylguanidine,
- 3-isopropylcinnamoylguanidine hydrochloride,
- (2-Bromocinnamoyl)guanidine,
- 3-ethoxycinnamoylguanidine,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- (2-Chlorocinnamoyl)guanidine,
- 4-ethoxycinnamoylguanidine,
- 4-fluorocinnamoylguanidine,
- 3,4-difluorocinnamoylguanidine,
- N-(3-phenylpropanoyl)-N'-Phenylguanidine,
- 2,4,6-trimethylcinnamoylguanidine,
- 2-methylcinnamoylguanidine,
- (trans-2-Phenylcyclopropanecarbonyl)-guanidine,
- (4-Phenoxybenzoyl)guanidine,
- (2-Methoxycinnamoyl)guanidine,
- Cinnamoylguanidine,
- 3,4-(methylenedioxy)cinnamoylguanidine,
- N,N'-Bis(amidino)napthalene-2,6-Dicarboxamide,
- 2,3-dimethylcinnamoylguanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- N,N'-Bis(3-phenylpropanoyl)guanidine,
- 2.3-difluorocinnamovlguanidine.
- 1-napthoylguanidine,
- 6-methoxy-2-naphthoylguanidine,
- 5-(N,N-Dimethyl)amiloride hydrochloride,
- 2-ethoxycinnamoylguanidine,
- 2-napthoylguanidine,
- 3,4,5-trimethoxycinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- cinnamoylguanidine hydrochloride,
- (4-Hydroxycinnamoyl)quanidine,
- 5-(4-fluorophenyl)amiloride,
- 2-(1-napthyl)acetoylguanidine,
- (2-Furanacryloyl)quanidine,
- N-Cinnamoyl-N', N'-dimethylguanidine,
- 2-(2-napthyl)acetoylguanidine and
- N,N'-bis(3phenylpropanoyl)-N"-
- Phenylguanidine.
- 69. (Withdrawn) The method according to claim 62, wherein said Coronavirus is human Coronavirus OC43.

70. (Withdrawn) The method according to claim 69, wherein said compound is selected from the group consisting of

3-methylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

(3-Bromocinnamoyl)guanidine,

(2-Chlorocinnamoyl)guanidine,

3,4-dichlorocinnamoylguanidine,

3-(trifluoromethyl)cinnamoylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

4-isopropylcinnamoylguanidine,

Cinnamoylguanidine,

6-methoxy-2-naphthoylguanidine,

2,4-dichlorocinnamolyguanidine,

(4-Chlorocinnamoyl)guanidine,

5-(N,N-hexamethylene)amiloride,

(4-Bromocinnamoyl)guanidine,

2,6-dichlorocinnamoylguanidine,

5-bromo-2-methoxycinnamoylguanidine,

(5-Phenyl-penta-2,4-dienoyl)quanidine,

3-(trifluoromethoxy)cinnamoylguanidine and

2-t-butylcinnamoylguanidine.

- 71. (Withdrawn) The method according to claim 62, wherein said Coronavirus is porcine respiratory Coronavirus (PRCV).
- 72. (Withdrawn) The method according to claim 71, wherein said compound is selected from the group consisting of

5-(N,N-hexamethylene)amiloride,

6-methoxy-2-naphthoylguanidine,

Cinnamoylguanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

3-methylcinnamoylguanidine,

(3-Bromocinnamoyl)quanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

trans-3-(1-napthyl)acryloylguanidine and

2-(2-napthyl)acetoylguanidine.

73. (Withdrawn) The method according to claim 62, wherein said Coronavirus is bovine Coronvirus (BCV).

74. (Withdrawn) The method according to claim 73, wherein said compound is selected from the group consisting of

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- (3-Bromocinnamoyl)guanidine,
- 3-(trifluoromethyl)cinnamoylguanidine,
- 6-methoxy-2-naphthoylguanidine,
- 5-(N,N-hexamethylene)amiloride,

trans-3-(1-napthyl)acryloylguanidine,

Cinnamoylguanidine,

- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- 2-(2-napthyl)acetoylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)quanidine.

- N-(3-phenylpropanoyl)-N'-phenylguanidine and
- 4-phenylbenzoylguanidine.
- 75. (Withdrawn) The method according to claim 62, wherein said Coronavirus is any one of the known Coronavirus isolates listed in Table 1.
- 76. (Withdrawn) The method according to claim 75, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-isopropylcinnamoylguanidine hydrochloride,
- 77. (Withdrawn) The method according to claim 56, wherein said virus is the Hepatitis C virus.
- 78. (Withdrawn) The method according to claim 77, wherein said compound is selected from the group consisting of
 - 2,3-dimethylcinnamoylguanidine,
 - 2,4,6-trimethylcinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - (4-Bromocinnamoyl)guanidine,
 - 2,5-dimethylcinnamoylguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 6-methoxy-2-naphthoylguanidine,
 - (2-Chlorocinnamoyl)quanidine,
 - (4-Chlorocinnamoyl)quanidine.
 - (2-Bromocinnamoyl)guanidine,

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2,6-dichlorocinnamoylguanidine,

(3-Bromocinnamoyl)guanidine,

(3-Chlorocinnamoyl)guanidine,

2-(trifluoromethyl)cinnamoylguanidine,

(4-Phenoxybenzoyl)guanidine,

3,4-dichlorocinnamoylguanidine,

4-isopropylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

4-t-butylcinnamoylguanidine,

2-t-butylcinnamoylguanidine,

2-ethylcinnamoylguanidine,

4-methylcinnamoylguanidine,

5-bromo-2-methoxycinnamoylguanidine,

3-(trifluoromethoxy)cinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

1-napthoylguanidine,

3-t-butylcinnamoylguanidine,

4-phenylbenzoylguanidine,

(5-Phenyl-penta-2,4-dienoyl)guanidine,

N-(cinnamoyl)-N'phenylguanidine,

3-isopropylcinnamoylguanidine hydrochloride,

Benzamil hydrochloride,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

3-(2-napthyl)acryloylguanidine,

5-(N-Methyl-N-isobutyl)amiloride.

2'4 DichloroBenazamil HCI,

5-tert-butylamino-amiloride,

5-(N-Ethyl-N-isopropyl)amiloride.

(4-Methoxycinnamoyl)quanidine,

4-fluorocinnamoylguanidine,

(3-Nitrocinnamoyl)guanidine,

4-ethoxycinnamoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

3-ethoxycinnamoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

4-phenylcinnamoylguanidine,

trans-3-Furanacryoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylquanidine,

(2-Furanacryloyl)guanidine,

3-(cyclohex-1-en-1-yl)cinnamoylguanidine,

cinnamoylguanidine hydrochloride,

5-(N,N-hexamethylene)amiloride,

2,3-difluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

(a-Methylcinnamoyl)guanidine,

(2-Nitrocinnamoyl)guanidine,

6-lodoamiloride,

3,4-(methylenedioxy)cinnamoylguanidine,

2-ethoxycinnamoylguanidine,

Cinnamoylguanidine,

2-phenylcinnamoylguanidine,

2-(cyclohex-1-en-1yl)cinnamoylguanidine,

2-napthoylguanidine,

3-phenylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

5-(4-fluorophenyl)amiloride,

(3-Methoxycinnamoyl)quanidine,

2-fluorocinnamoylguanidine,

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

[(4-Chlorophenoxy-acetyl]guanidine,

(3-phenylpropanoyl)guanidine,

2-chloro-6-fluorocinnamoylguanidine,

3-fluorocinnamoylguanidine,

2-methylcinnamoylguanidine,

(2-Methoxycinnamoyl)guanidine,

1-bromo-2-napthoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

3-methylcinnamoylguanidine,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

Phenamil methanesulfonate salt,

2,4-dichlorocinnamolyguanidine,

(4-Nitrocinnamoyl)guanidine,

3,4-difluorocinnamoylguanidine and

[(E)-3-(4-Dimethylaminophenyl)-2-methylacryloyl]guanidine.

- 79. (Withdrawn) The method according to claim 56, wherein said virus is the Equine Arteritis virus.
- 80. (Withdrawn) The method according to claim 79, wherein said compound is selected from the group consisting of

5-(N,N-hexamethylene)amiloride,

(3-Bromocinnamoyl)quanidine,

trans-3-(1-napthyl)acryloylguanidine,

2-t-butylcinnamoylquanidine and

2-(cyclohex-1-en-1yl)cinnamoylguanidine.

81. (Withdrawn) The method according to claim 56, wherein said compound is provided as a pharmaceutical composition according to claim 2 or claim 3.

82. (Withdrawn) A method of down regulating a membrane ion channel functional activity in a cell infected with a virus, comprising contacting said cell with a compound according to claim 1.

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- 83. (Withdrawn) The method according to claim 82, wherein said virus is a Lentivirus.
- 84. (Withdrawn) The method according to claim 83, wherein said Lentivirus is Human Immunodeficiency Virus (HIV).
- 85. (Withdrawn) The method according to claim 84, wherein said membrane ion channel is the HIV Vpu membrane ion channel.
- 86. (Withdrawn) The method according to claim 85, wherein said compound is selected from the group consisting of
 - (3-Chlorocinnamoyl)guanidine,
 - (3-Bromocinnamoyl)guanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - (2-Bromocinnamoyl)guanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - 3-methylcinnamoylguanidine,
 - 2-methylcinnamoylguanidine,
 - 2,3-dimethylcinnamoylguanidine,

Cinnamoylguanidine,

6-methoxy-2-naphthoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 3,4-dichlorocinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 2-ethylcinnamoylguanidine,
- (4-Chlorocinnamoyl)guanidine,,
- 2-napthoylguanidine,
- 2,5-dimethylcinnamoylguanidine,
- 3-isopropylcinnamoylguanidine hydrochloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- 3-phenylcinnamoylguanidine,
- (4-Bromocinnamoyl)guanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 3-(trifluoromethoxy)cinnamoylguanidine,

- 2-(trifluoromethyl)cinnamoylguanidine,
- N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,
- 2-ethoxycinnamoylguanidine,
- N-(3-phenylpropanoyl)-N'-phenylguanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- (4-Methoxycinnamoyl)guanidine,
- 2-t-butylcinnamoylguanidine,
- 4-methylcinnamoylguanidine,
- 2-fluorocinnamoylguanidine,
- 2-phenylcinnamoylguanidine,
- N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,
- 3-t-butylcinnamoylguanidine,
- 3,4-difluorocinnamoylguanidine,
- 5-(N,N-hexamethylene)amiloride,
- 3-fluorocinnamoylguanidine,
- 5-bromo-2-methoxycinnamoylguanidine,
- 3-ethoxycinnamoylguanidine,
- 3,4-(methylenedioxy)cinnamoylguanidine,
- (2-Methoxycinnamoyl)guanidine,
- 2'4 DichloroBenazamil HCI,
- 2,3,5,6,-tetramethylcinnamoylguanidine,
- 3-(2-napthyl)acryloylguanidine,
- 2-(1-napthyl)acetoylguanidine,
- 2,3-difluorocinnamoylguanidine,
- (3-Methoxycinnamoyl)guanidine,
- 4-isopropylcinnamoylguanidine,
- 2,4,6-trimethylcinnamoylguanidine,
- N-(cinnamoyl)-N'phenylguanidine,
- 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
- 2-(2-napthyl)acetoylguanidine,
- (4-Hydroxycinnamoyl)guanidine,
- 4-phenylcinnamoylguanidine,
- 4-fluorocinnamoylguanidine,
- N,N'-bis-(cinnamoyl)-N"-phenylguanidine,
- (2-FuranacryloyI)guanidine,
- Phenamil methanesulfonate salt,
- Benzamil hydrochloride,
- (3-Nitrocinnamoyl)guanidine,
- Benzyoylguanidine,
- (4-Phenoxybenzoyl)quanidine,
- 3-(trans-hept-1-en-1-yl)cinnamoylguanidine,
- 5-(N-Methyl-N-isobutyl)amiloride,
- 2-cyclohexylcinnamoylguanidine,
- 4-ethoxycinnamoylguanidine,
- 2,4-dichlorocinnamolyguanidine,
- 5-(N-Ethyl-N-isopropyl)amiloride,
- N-amidino-3-amino-5-hexamethyleneimino-6-phenyl-
- 2-pyrazinecarboxamide,
- (a-Methylcinnamoyl)guanidine,

> cinnamoylguanidine hydrochloride, [(4-Chlorophenoxy-acetyl]quanidine, N-amidino-3-amino-5-phenyl-6-chloro-2-pyrazinecarboxamide, 5-(4-fluorophenyl)amiloride, (trans-2-Phenylcyclopropanecarbonyl)guanidine, (2-Nitrocinnamoyl)guanidine, trans-3-Furanacryoylguanidine, 1-napthoylguanidine, 5-tert-butylamino-amiloride, 3-methoxy –HMA, (3-phenylpropanoyl)guanidine, 4-t-butylcinnamoylguanidine. 5-(N,N-Dimethyl)amiloride hydrochloride, N,N'-Bis(3-phenylpropanoyl)quanidine, N-Benzoyl-N'-cinnamoylguanidine and 1-bromo-2-napthoylguanidine.

- 87. (Withdrawn) The method according to claim 84, wherein said HIV is HIV-1.
- 88. (Withdrawn) The method according to claim 82, wherein said virus is a Coronavirus.
- 89. (Withdrawn) The method according to claim 88, wherein said membrane ion channel is the Coronavirus E protein.
- 90. (Withdrawn) The method according to claim 89, wherein said Coronavirus is the Severe Acute Respiratory Syndrome virus (SARS).
- 91. (Withdrawn) The method according to claim 90, wherein said compound is selected from the group consisting of
 - 2,3-difluorocinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 4-t-butylcinnamoylquanidine,
 - 3-(2-napthyl)acryloylguanidine,
 - (3-Chlorocinnamoyl)guanidine,
 - 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
 - 2,5-dimethylcinnamoylguanidine,
 - trans-3-(1-napthyl)acryloylguanidine,
 - 4-isopropylcinnamoylguanidine,
 - (3-Bromocinnamoyl)guanidine,
 - 6-methoxy-2-naphthoylguanidine,
 - 5-(N-Methyl-N-isobutyl)amiloride,

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3-phenylcinnamoylguanidine,

(2-Chlorocinnamoyl)guanidine,

2'4 DichloroBenazamil HCI,

4-phenylcinnamoylguanidine,

4-(trifluoromethyl)cinnamoylguanidine,

3-(trifluoromethoxy)cinnamoylguanidine,

3-(trifluoromethyl)cinnamoylguanidine,

2-ethoxycinnamoylguanidine,

cinnamoylguanidine hydrochloride,

4-ethoxycinnamoylguanidine,

(2-Bromocinnamoyl)guanidine,

2,6-dichlorocinnamoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

5-tert-butylamino-amiloride,

3-t-butylcinnamoylguanidine,

5-bromo-2-fluorocinnamoylguanidine,

(4-Chlorocinnamoyl)guanidine,

2-t-butylcinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

6-lodoamiloride,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

(4-Bromocinnamoyl)guanidine,

(4-Hydroxycinnamoyl)guanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

(3-NitrocinnamoyI)guanidine,

3-fluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

2-ethylcinnamoylguanidine,

5-(N.N-Dimethyl)amiloride hydrochloride,

2-napthoylquanidine,

5-(4-fluorophenyl)amiloride,

2-(trifluoromethyl)cinnamoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

1-napthoylguanidine,

Benzamil hydrochloride,

3-methoxy -HMA,

4-methylcinnamoylguanidine,

4-fluorocinnamoylguanidine,

3,4-(methylenedioxy)cinnamoylguanidine,

5-(N,N-hexamethylene)amiloride,

N-(cinnamoyl)-N'phenylguanidine,

5-(N-Ethyl-N-isopropyl)amiloride,

3-methylcinnamoylguanidine,

2-methylcinnamoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

trans-3-Furanacryoylguanidine,

(4-Methoxycinnamoyl)guanidine,

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(2-Furanacryloyl)quanidine, (3-phenylpropanoyl)quanidine, 2-(2-napthyl)acetoylguanidine, Cinnamoylquanidine, (2-Methoxycinnamoyl)guanidine, [3-(3-Pyridyl)acryloyl]guanidine, 4-phenylbenzoylguanidine, 2,4-dichlorocinnamolyquanidine, (3-Methoxycinnamoyl)guanidine, 2-fluorocinnamoylguanidine, (4-Phenoxybenzoyl)quanidine, (a-Methylcinnamoyl)quanidine. 5-(3'-bromophenyl)penta-2,4-dienoylguanidine, (5-Phenyl-penta-2,4-dienoyl)quanidine, (Quinoline-2-carbonyl)quanidine, (Phenylacetyl)guanidine, N,N'-Bis(amidino)napthalene-2,6-dicarboxamide, 6-bromo-2-napthoylquanidine, 1-bromo-2-napthoylguanidine, 2-chloro-6-fluorocinnamoylguanidine, [(4-Chlorophenoxy-acetyl]quanidine, Phenamil methanesulfonate salt.

- 92. (Withdrawn) The method according to claim 90, wherein said Coronavirus is human Coronavirus 229E.
- 93. (Withdrawn) The method according to claim 92, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,

N-Benzoyl-N'-cinnamoylguanidine and N-(2-napthoyl)-N'-phenylguanidine.

- 4-t-butylcinnamoylguanidine,
- 3-isopropylcinnamoylguanidine hydrochloride,
- 3-t-butylcinnamoylguanidine,
- 2-t-butylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 5-bromo-2-methoxycinnamoylguanidine,
- 2,3-difluorocinnamoylquanidine,
- 3-(2-napthyl)acryloylguanidine,
- 2-phenylcinnamoylguanidine,
- 3-phenylcinnamoylguanidine,

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- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 3-(trifluoromethyl)cinnamoylguanidine,
- (4-Phenoxybenzoyl)guanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
- (4-Bromocinnamoyl)guanidine,
- 5-(N,N-hexamethylene)amiloride,
- 1-napthoylguanidine,
- 5-(4-fluorophenyl)amiloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- (3-Bromocinnamoyl)guanidine,
- 2,5-dimethylcinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- 6-methoxy-2-naphthoylguanidine,
- (4-Chlorocinnamoyl)guanidine,
- (3-Methoxycinnamoyl)guanidine,
- 5-bromo-2-fluorocinnamoylguanidine,
- 5-(N,N-Dimethyl)amiloride hydrochloride,
- Cinnamoylguanidine,
- (2-Methoxycinnamoyl)guanidine,
- (a-Methylcinnamoyl)guanidine,
- 4-phenylcinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- (2-Bromocinnamoyl)guanidine,
- 2,4,6-trimethylcinnamoylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

- (3-Chlorocinnamoyl)guanidine,
- 2-(1-napthyl)acetoylguanidine,
- 2-ethylcinnamoylguanidine,
- 2-cyclohexylcinnamoylguanidine,
- (4-Hydroxycinnamoyl)guanidine,
- 2-ethoxycinnamoylguanidine,
- 3-methylcinnamoylguanidine,
- 2-methylcinnamoylguanidine,
- 3-fluorocinnamoylguanidine,
- cinnamoylguanidine hydrochloride,
- 2,3-dimethylcinnamoylguanidine,
- 2-fluorocinnamoylguanidine,
- 4-fluorocinnamoylguanidine,
- 3,4-difluorocinnamoylguanidine,
- 5-tert-butylamino-amiloride,
- 2-napthoylguanidine,
- N,N'-Bis(amidino)napthalene-2,6-dicarboxamide,
- N,N'-Bis(3-phenylpropanoyl)guanidine,
- 4-methylcinnamoylguanidine,

- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- 2,3,5,6,-tetramethylcinnamoylguanidine,
- 3-ethoxycinnamoylguanidine,
- N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,
- (4-Methoxycinnamoyl)guanidine,
- (2-Chlorocinnamoyl)guanidine,
- (3-Nitrocinnamoyl)guanidine,
- 4-ethoxycinnamoylguanidine,
- 3,4,5-trimethoxycinnamoylguanidine,
- 2-(2-napthyl)acetoylguanidine and
- N-(3-phenylpropanoyl)-N'-phenylguanidine.
- 94. (Withdrawn) The method according to claim 89, wherein said Coronavirus is any one of the known Coronavirus isolates listed in Table 1.

- 95. (Withdrawn) The method according to claim 94, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-isopropylcinnamoylguanidine hydrochloride,
- 96. (Withdrawn) The method according to claim 82, wherein said virus is the Hepatitis C virus.
- 97. (Withdrawn) The method according to claim 96, wherein said membrane ion channel is the Hepatitis C virus p7 membrane ion channel.
- 98. (Withdrawn) The method according to claim 97, wherein said compound is selected from the group consisting of
 - 2,3-dimethylcinnamoylguanidine,
 - 2,4,6-trimethylcinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - (4-Bromocinnamoyl)guanidine,
 - 2,5-dimethylcinnamoylquanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine.
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 6-methoxy-2-naphthoylguanidine,

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Amendment And Response

to Non-Final Action dated January 5, 2011 (2-Chlorocinnamoyl)guanidine, (4-Chlorocinnamoyl)quanidine. (2-Bromocinnamoyl)guanidine, 2,6-dichlorocinnamoylguanidine, (3-Bromocinnamoyl)guanidine, (3-Chlorocinnamoyl)guanidine, 2-(trifluoromethyl)cinnamoylguanidine, (4-Phenoxybenzoyl)guanidine, 3,4-dichlorocinnamoylguanidine, 4-isopropylcinnamoylguanidine, trans-3-(1-napthyl)acryloylquanidine, 4-t-butylcinnamoylguanidine, 2-t-butylcinnamoylguanidine, 2-ethylcinnamoylquanidine, 4-methylcinnamoylquanidine, 5-bromo-2-methoxycinnamoylguanidine, 3-(trifluoromethoxy)cinnamoylguanidine, 2-cyclohexylcinnamoylquanidine, 1-napthoylguanidine, 3-t-butylcinnamoylguanidine, 4-phenylbenzoylguanidine, (5-Phenyl-penta-2,4-dienoyl)quanidine. N-(cinnamoyl)-N'phenylguanidine, 3-isopropylcinnamoylguanidine hydrochloride, Benzamil hydrochloride, N-(3-phenylpropanoyl)-N'-phenylquanidine. N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine, 3-(2-napthyl)acryloylguanidine, 5-(N-Methyl-N-isobutyl)amiloride. 2'4 DichloroBenazamil HCI, 5-tert-butylamino-amiloride, 5-(N-Ethyl-N-isopropyl)amiloride, (4-Methoxycinnamoyl)guanidine, 4-fluorocinnamoylguanidine, (3-NitrocinnamoyI)quanidine, 4-ethoxycinnamoylguanidine, (4-Hydroxycinnamoyl)quanidine, (trans-2-Phenylcyclopropanecarbonyl)quanidine. 3-ethoxycinnamoylguanidine, 2,3,5,6,-tetramethylcinnamoylguanidine, 4-phenylcinnamoylguanidine, trans-3-Furanacryoylguanidine, N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine, (2-Furanacryloyl)guanidine, 3-(cyclohex-1-en-1-yl)cinnamoylguanidine, cinnamoylguanidine hydrochloride,

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5-(N,N-hexamethylene)amiloride, 2,3-difluorocinnamoylguanidine, 2-(1-napthyl)acetoylguanidine,

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(a-Methylcinnamoyl)guanidine,

(2-Nitrocinnamoyl)guanidine,

6-Iodoamiloride,

3,4-(methylenedioxy)cinnamoylguanidine,

2-ethoxycinnamoylguanidine,

Cinnamoylguanidine,

2-phenylcinnamoylguanidine,

2-(cyclohex-1-en-1yl)cinnamoylguanidine,

2-napthoylguanidine,

3-phenylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

5-(4-fluorophenyl)amiloride,

(3-Methoxycinnamoyl)guanidine,

2-fluorocinnamoylquanidine,

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

[(4-Chlorophenoxy-acetyl]guanidine,

(3-phenylpropanoyl)guanidine,

2-chloro-6-fluorocinnamoylguanidine,

3-fluorocinnamoylguanidine,

2-methylcinnamoylguanidine,

(2-Methoxycinnamoyl)guanidine,

1-bromo-2-napthoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

3-methylcinnamoylguanidine,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

Phenamil methanesulfonate salt.

2,4-dichlorocinnamolyguanidine,

(4-NitrocinnamoyI)guanidine,

3,4-difluorocinnamoylguanidine and

[(E)-3-(4-Dimethylaminophenyl)-2-methylacryloyl]guanidine.

- 99. (Withdrawn) The method according to claim 82, wherein said compound is provided as a pharmaceutical composition according to claim 2 or claim 3.
- 100. (Withdrawn) A method of reducing, retarding or otherwise inhibiting growth and/or replication of a virus that has infected a cell, said method comprising contacting said infected cell with a compound according to claim 1, wherein said compound down regulates functional activity of a membrane ion channel derived from said virus and expressed in said infected cell.
- 101. (Withdrawn) The method according to claim 100, wherein said virus is a Lentivirus.

102. (Withdrawn) The method according to claim 101, wherein said Lentivirus is Human Immunodeficiency Virus (HIV).

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- 103. (Withdrawn) The method according to claim 102, wherein said membrane ion channel is the HIV Vpu membrane ion channel.
- 104. (Withdrawn) The method according to claim 103, wherein said compound is selected from the group consisting of
 - (3-Chlorocinnamoyl)guanidine,
 - (3-Bromocinnamoyl)guanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - (2-Bromocinnamoyl)guanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - 3-methylcinnamoylguanidine,
 - 2-methylcinnamoylguanidine,
 - 2,3-dimethylcinnamoylguanidine,

Cinnamoylguanidine,

6-methoxy-2-naphthoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 3,4-dichlorocinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 2-ethylcinnamoylguanidine,
- (4-Chlorocinnamoyl)guanidine,,
- 2-napthoylguanidine,
- 2,5-dimethylcinnamoylguanidine,
- 3-isopropylcinnamoylguanidine hydrochloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- 3-phenylcinnamoylguanidine,
- (4-Bromocinnamoyl)guanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 3-(trifluoromethoxy)cinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,
- 2-ethoxycinnamoylguanidine,
- N-(3-phenylpropanoyl)-N'-phenylquanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- (4-Methoxycinnamoyl)guanidine,
- 2-t-butylcinnamoylguanidine,
- 4-methylcinnamoylguanidine,
- 2-fluorocinnamoylguanidine,
- 2-phenylcinnamoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,

3-t-butylcinnamoylguanidine,

3,4-difluorocinnamoylguanidine,

5-(N,N-hexamethylene)amiloride,

3-fluorocinnamoylguanidine,

5-bromo-2-methoxycinnamoylguanidine,

3-ethoxycinnamoylguanidine,

3,4-(methylenedioxy)cinnamoylguanidine,

(2-Methoxycinnamoyl)guanidine,

2'4 DichloroBenazamil HCI,

2,3,5,6,-tetramethylcinnamoylguanidine,

3-(2-napthyl)acryloylguanidine,

2-(1-napthyl)acetoylguanidine,

2,3-difluorocinnamoylguanidine,

(3-Methoxycinnamoyl)guanidine,

4-isopropylcinnamoylguanidine,

2,4,6-trimethylcinnamoylguanidine,

N-(cinnamoyl)-N'phenylguanidine,

2-(cyclohex-1-en-1yl)cinnamoylguanidine,

2-(2-napthyl)acetoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

4-phenylcinnamoylguanidine,

4-fluorocinnamoylguanidine,

N,N'-bis-(cinnamoyl)-N"-phenylguanidine,

(2-Furanacryloyl)guanidine,

Phenamil methanesulfonate salt.

Benzamil hydrochloride,

(3-NitrocinnamoyI)guanidine,

Benzyoylguanidine,

(4-Phenoxybenzoyl)guanidine,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

5-(N-Methyl-N-isobutyl)amiloride,

2-cyclohexylcinnamoylguanidine,

4-ethoxycinnamoylguanidine,

2,4-dichlorocinnamolyquanidine,

5-(N-Ethyl-N-isopropyl)amiloride,

N-amidino-3-amino-5-hexamethyleneimino-6-phenyl-

2-pyrazinecarboxamide,

(a-Methylcinnamoyl)guanidine,

cinnamoylquanidine hydrochloride,

[(4-Chlorophenoxy-acetyl]guanidine,

N-amidino-3-amino-5-phenyl-6-chloro-2-pyrazinecarboxamide,

5-(4-fluorophenyl)amiloride,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

(2-NitrocinnamoyI)guanidine,

trans-3-Furanacryoylguanidine,

1-napthoylguanidine,

5-tert-butylamino-amiloride,

3-methoxy -HMA,

(3-phenylpropanoyl)guanidine, 4-t-butylcinnamoylguanidine, 5-(N,N-Dimethyl)amiloride hydrochloride, N,N'-Bis(3-phenylpropanoyl)guanidine, N-Benzoyl-N'-cinnamoylguanidine and 1-bromo-2-napthoylguanidine.

- 105. (Withdrawn) The method according to claim 102, wherein said HIV is HIV-1.
- 106. (Withdrawn) The method according to claim 100, wherein said virus is a Coronavirus.
- 107. (Withdrawn) The method according to claim 106, wherein said membrane ion channel is the Coronavirus E protein.
- 108. (Withdrawn) The method according to claim 107, wherein said Coronavirus is the Severe Acute Respiratory Syndrome virus (SARS).
- 109. (Withdrawn) The method according to claim 108, wherein said compound is selected from the group consisting of
 - 2.3-difluorocinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-(2-napthyl)acryloylguanidine,
 - (3-Chlorocinnamoyl)guanidine,
 - 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
 - 2,5-dimethylcinnamoylguanidine,
 - trans-3-(1-napthyl)acryloylguanidine,
 - 4-isopropylcinnamoylguanidine,
 - (3-Bromocinnamoyl) guanidine,
 - 6-methoxy-2-naphthoylguanidine,
 - 5-(N-Methyl-N-isobutyl)amiloride.
 - 3-phenylcinnamoylguanidine,
 - (2-Chlorocinnamoyl)quanidine,
 - 2'4 DichloroBenazamil HCI.
 - 4-phenylcinnamoylguanidine,
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 2-ethoxycinnamoylguanidine,

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cinnamoylguanidine hydrochloride,

4-ethoxycinnamoylguanidine,

(2-Bromocinnamoyl)guanidine,

2,6-dichlorocinnamoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

5-tert-butylamino-amiloride,

3-t-butylcinnamoylguanidine,

5-bromo-2-fluorocinnamoylguanidine,

(4-Chlorocinnamoyl)guanidine,

2-t-butylcinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

6-lodoamiloride,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

(4-Bromocinnamoyl)guanidine,

(4-Hydroxycinnamoyl)guanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

(3-Nitrocinnamoyl)guanidine,

3-fluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

2-ethylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

2-napthoylguanidine,

5-(4-fluorophenyl)amiloride,

2-(trifluoromethyl)cinnamoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

1-napthoylguanidine,

Benzamil hydrochloride,

3-methoxy -HMA,

4-methylcinnamoylguanidine,

4-fluorocinnamoylguanidine,

3,4-(methylenedioxy)cinnamoylguanidine,

5-(N,N-hexamethylene)amiloride,

N-(cinnamoyl)-N'phenylguanidine,

5-(N-Ethyl-N-isopropyl)amiloride,

3-methylcinnamoylquanidine,

2-methylcinnamoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

trans-3-Furanacryoylquanidine,

(4-Methoxycinnamoyl)guanidine,

(2-Furanacryloyl)guanidine,

(3-phenylpropanoyl)guanidine,

2-(2-napthyl)acetoylguanidine,

Cinnamoylguanidine.

(2-Methoxycinnamoyl)quanidine,

[3-(3-Pyridyl)acryloyl]guanidine,

4-phenylbenzoylguanidine,

2,4-dichlorocinnamolyguanidine,

(3-Methoxycinnamovl)quanidine.

2-fluorocinnamoylguanidine,

(4-Phenoxybenzoyl)guanidine,

(a-Methylcinnamoyl)guanidine,

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

(5-Phenyl-penta-2,4-dienoyl)guanidine,

(Quinoline-2-carbonyl)guanidine,

(Phenylacetyl)guanidine,

N,N'-Bis(amidino)napthalene-2,6-dicarboxamide,

6-bromo-2-napthoylguanidine,

1-bromo-2-napthoylguanidine,

2-chloro-6-fluorocinnamoylguanidine,

[(4-Chlorophenoxy-acetyl]guanidine,

Phenamil methanesulfonate salt,

N-Benzoyl-N'-cinnamoylguanidine and

N-(2-napthoyl)-N'-phenylguanidine.

110. (Withdrawn) The method according to claim 107, wherein said Coronavirus is human Coronavirus 229E.

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- 111. (Withdrawn) The method according to claim 110, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-isopropylcinnamoylguanidine hydrochloride,
 - 3-t-butylcinnamoylguanidine,
 - 2-t-butylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 5-bromo-2-methoxycinnamoylguanidine,
- 2,3-difluorocinnamoylguanidine,
- 3-(2-napthyl)acryloylguanidine,
- 2-phenylcinnamoylguanidine,
- 3-phenylcinnamoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 3-(trifluoromethyl)cinnamoylguanidine,
- (4-Phenoxybenzoyl)guanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
- (4-Bromocinnamoyl)quanidine,
- 5-(N,N-hexamethylene)amiloride,

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- 1-napthoylguanidine,
- 5-(4-fluorophenyl)amiloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- (3-Bromocinnamoyl)guanidine,
- 2,5-dimethylcinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- 6-methoxy-2-naphthoylguanidine,
- (4-Chlorocinnamoyl)guanidine,
- (3-Methoxycinnamoyl)guanidine,
- 5-bromo-2-fluorocinnamoylguanidine,
- 5-(N,N-Dimethyl)amiloride hydrochloride,
- Cinnamoylguanidine,
- (2-Methoxycinnamoyl)guanidine,
- (a-Methylcinnamoyl)guanidine,
- 4-phenylcinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- (2-Bromocinnamoyl)guanidine,
- 2,4,6-trimethylcinnamoylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

- (3-Chlorocinnamoyl)guanidine,
- 2-(1-napthyl)acetoylguanidine,
- 2-ethylcinnamoylguanidine,
- 2-cyclohexylcinnamoylguanidine,
- (4-Hydroxycinnamoyl)guanidine,
- 2-ethoxycinnamoylguanidine,
- 3-methylcinnamoylguanidine,
- 2-methylcinnamoylguanidine,
- 3-fluorocinnamoylguanidine,
- cinnamoylguanidine hydrochloride,
- 2,3-dimethylcinnamoylguanidine,
- 2-fluorocinnamoylguanidine,
- 4-fluorocinnamoylguanidine,
- 3,4-difluorocinnamoylguanidine,
- 5-tert-butylamino-amiloride,
- 2-napthoylguanidine,
- N,N'-Bis(amidino)napthalene-2,6-dicarboxamide,
- N,N'-Bis(3-phenylpropanoyl)guanidine,
- 4-methylcinnamoylguanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- 2,3,5,6,-tetramethylcinnamoylguanidine,
- 3-ethoxycinnamoylguanidine,
- N,N'-bis(3phenylpropanoyl)-N"-phenylquanidine,
- (4-Methoxycinnamoyl)guanidine,
- (2-Chlorocinnamoyl)guanidine,
- (3-NitrocinnamoyI)quanidine,
- 4-ethoxycinnamoylguanidine,

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- 3,4,5-trimethoxycinnamoylguanidine,
- 2-(2-napthyl)acetoylguanidine and
- N-(3-phenylpropanoyl)-N'-phenylguanidine.
- 112. (Withdrawn) The method according to claim 107, wherein said Coronavirus is any one of the known Coronavirus isolates listed in Table 1.
- 113. (Withdrawn) The method according to claim 112, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-isopropylcinnamoylguanidine hydrochloride,
- 114. (Withdrawn) The method according to claim 100, wherein said virus is the Hepatitis C virus.
- 115. (Withdrawn) The method according to claim 114, wherein said membrane ion channel is the Hepatitis C virus p7 membrane ion channel.
- 116. (Withdrawn) The method according to claim 115, wherein said compound is selected from the group consisting of
 - 2,3-dimethylcinnamoylguanidine,
 - 2,4,6-trimethylcinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - (4-Bromocinnamoyl)guanidine,
 - 2,5-dimethylcinnamoylguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 6-methoxy-2-naphthoylguanidine,
 - (2-Chlorocinnamoyl)quanidine.
 - (4-Chlorocinnamoyl)guanidine,
 - (2-Bromocinnamoyl)guanidine,
 - 2,6-dichlorocinnamoylguanidine,
 - (3-Bromocinnamoyl) guanidine,
 - (3-Chlorocinnamoyl)guanidine,
 - 2-(trifluoromethyl)cinnamoylguanidine,
 - (4-Phenoxybenzoyl)guanidine,
 - 3,4-dichlorocinnamoylguanidine,

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4-isopropylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

4-t-butylcinnamoylguanidine,

2-t-butylcinnamoylguanidine,

2-ethylcinnamoylguanidine,

4-methylcinnamoylguanidine,

5-bromo-2-methoxycinnamoylguanidine,

3-(trifluoromethoxy)cinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

1-napthoylguanidine,

3-t-butylcinnamoylguanidine,

4-phenylbenzoylguanidine,

(5-Phenyl-penta-2,4-dienoyl)guanidine,

N-(cinnamoyl)-N'phenylguanidine,

3-isopropylcinnamoylguanidine hydrochloride,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

3-(2-napthyl)acryloylguanidine,

5-(N-Methyl-N-isobutyl)amiloride,

2'4 DichloroBenazamil HCI,

5-tert-butylamino-amiloride,

5-(N-Ethyl-N-isopropyl)amiloride,

(4-Methoxycinnamoyl)guanidine,

4-fluorocinnamoylguanidine,

(3-Nitrocinnamoyl)guanidine,

4-ethoxycinnamoylguanidine.

(4-Hydroxycinnamoyl)quanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

3-ethoxycinnamoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

4-phenylcinnamoylguanidine,

trans-3-Furanacryoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,

(2-Furanacryloyl)guanidine,

3-(cyclohex-1-en-1-yl)cinnamoylguanidine,

cinnamoylguanidine hydrochloride,

5-(N,N-hexamethylene)amiloride,

2,3-difluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

(a-Methylcinnamoyl)guanidine,

(2-Nitrocinnamoyl)guanidine,

6-lodoamiloride,

3,4-(methylenedioxy)cinnamoylguanidine,

2-ethoxycinnamoylguanidine,

Cinnamoylguanidine,

2-phenylcinnamoylguanidine,

2-(cyclohex-1-en-1yl)cinnamoylguanidine,

2-napthoylguanidine,

3-phenylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

5-(4-fluorophenyl)amiloride,

(3-Methoxycinnamoyl)guanidine,

2-fluorocinnamoylguanidine,

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

[(4-Chlorophenoxy-acetyl]guanidine,

(3-phenylpropanoyl)guanidine,

2-chloro-6-fluorocinnamoylguanidine,

3-fluorocinnamoylguanidine,

2-methylcinnamoylguanidine,

(2-Methoxycinnamoyl)guanidine,

2'4 DichloroBenazamil HCI,

1-bromo-2-napthoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

3-methylcinnamoylguanidine,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

Phenamil methanesulfonate salt,

2,4-dichlorocinnamolyguanidine,

(4-Nitrocinnamoyl)guanidine,

3,4-difluorocinnamoylguanidine and

[(E)-3-(4-Dimethylaminophenyl)-2-methylacryloyl]guanidine.

- 117. (Withdrawn) The method according to claim 100, wherein said compound is provided as a pharmaceutical composition according to claim 2 or claim 3.
- 118. (Withdrawn) A method of reducing, retarding or otherwise inhibiting growth and/or replication of a virus that has infected a cell in a mammal, said method comprising administering to said mammal a compound according claim 1, wherein said compound down regulates functional activity of a membrane ion channel expressed in said infected cell.
- 119. (Withdrawn) The method according to claim 118, wherein said virus is a Lentivirus.
- 120. (Withdrawn) The method according to claim 119, wherein said Lentivirus is Human Immunodeficiency Virus (HIV).
- 121. (Withdrawn) The method according to claim 120, wherein said compound is selected from the group consisting of

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- (3-Chlorocinnamoyl)guanidine,
- (3-Bromocinnamoyl)guanidine,
- (2-Chlorocinnamoyl)guanidine,
- (2-Bromocinnamoyl)guanidine,
- 3-(trifluoromethyl)cinnamoylguanidine,
- 5-bromo-2-fluorocinnamoylguanidine,
- 3-methylcinnamoylguanidine,
- 2-methylcinnamoylguanidine,
- 2,3-dimethylcinnamoylguanidine,

Cinnamoylguanidine,

6-methoxy-2-naphthoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 3,4-dichlorocinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 2-ethylcinnamoylguanidine,
- (4-Chlorocinnamoyl)guanidine,,
- 2-napthovlguanidine.
- 2,5-dimethylcinnamoylguanidine,
- 3-isopropylcinnamoylguanidine hydrochloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- 3-phenylcinnamoylguanidine,
- (4-Bromocinnamoyl)guanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 3-(trifluoromethoxy)cinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,
- 2-ethoxycinnamoylguanidine,
- N-(3-phenylpropanoyl)-N'-phenylguanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- (4-Methoxycinnamoyl)quanidine,
- 2-t-butylcinnamoylguanidine,
- 4-methylcinnamoylguanidine,
- 2-fluorocinnamoylguanidine,
- 2-phenylcinnamoylguanidine,
- N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,
- 3-t-butylcinnamoylquanidine,
- 3,4-difluorocinnamoylguanidine,
- 5-(N,N-hexamethylene)amiloride,
- 3-fluorocinnamoylguanidine,
- 5-bromo-2-methoxycinnamoylguanidine,
- 3-ethoxycinnamoylguanidine,
- 3,4-(methylenedioxy)cinnamoylguanidine,
- (2-Methoxycinnamoyl)guanidine,
- 2,3,5,6,-tetramethylcinnamoylguanidine,
- 3-(2-napthyl)acryloylguanidine,
- 2-(1-napthyl)acetoylguanidine,

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2,3-difluorocinnamoylguanidine,

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(3-Methoxycinnamoyl)guanidine,

4-isopropylcinnamoylguanidine,

2,4,6-trimethylcinnamoylguanidine,

N-(cinnamoyl)-N'phenylguanidine,

2-(cyclohex-1-en-1yl)cinnamoylguanidine,

2-(2-napthyl)acetoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

4-phenylcinnamoylguanidine,

4-fluorocinnamoylguanidine,

N,N'-bis-(cinnamoyl)-N"-phenylguanidine,

(2-Furanacryloyl)guanidine,

Phenamil methanesulfonate salt,

Benzamil hydrochloride,

(3-Nitrocinnamoyl)guanidine,

Benzyoylguanidine,

(4-Phenoxybenzoyl)guanidine,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

5-(N-Methyl-N-isobutyl)amiloride,

2-cyclohexylcinnamoylguanidine,

4-ethoxycinnamoylguanidine,

2,4-dichlorocinnamolyguanidine,

5-(N-Ethyl-N-isopropyl)amiloride,

N-amidino-3-amino-5-hexamethyleneimino-6-phenyl-

2-pyrazinecarboxamide,

(a-Methylcinnamoyl)guanidine,

cinnamoylguanidine hydrochloride,

[(4-Chlorophenoxy-acetyl]guanidine,

N-amidino-3-amino-5-phenyl-6-chloro-2-pyrazinecarboxamide,

5-(4-fluorophenyl)amiloride,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

(2-Nitrocinnamoyl)guanidine,

trans-3-Furanacryoylguanidine,

1-napthoylguanidine,

5-tert-butylamino-amiloride,

3-methoxy -HMA,

(3-phenylpropanoyl)guanidine,

4-t-butylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

N,N'-Bis(3-phenylpropanoyl)guanidine,

N-Benzoyl-N'-cinnamoylguanidine and

1-bromo-2-napthoylguanidine.

- 122. (Withdrawn) The method according to claim 118, wherein said membrane ion channel is the HIV Vpu membrane ion channel.
- 123. (Withdrawn) The method according to claim 120, wherein said HIV is HIV-1.

- 124. (Withdrawn) The method according to claim 118, wherein said virus is a Coronavirus.
- 125. (Withdrawn) The method according to claim 124, wherein said Coronavirus is the Severe Acute Respiratory Syndrome virus (SARS).

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- 126. (Withdrawn) The method according to claim 125, wherein said compound is selected from the group consisting of
 - 2,3-difluorocinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-(2-napthyl)acryloylguanidine,
 - (3-Chlorocinnamoyl)guanidine,
 - 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
 - 2,5-dimethylcinnamoylguanidine,
 - trans-3-(1-napthyl)acryloylguanidine,
 - 4-isopropylcinnamoylguanidine,
 - (3-Bromocinnamoyl)guanidine,
 - 6-methoxy-2-naphthoylguanidine,
 - 5-(N-Methyl-N-isobutyl)amiloride,
 - 3-phenylcinnamoylguanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - 2'4 DichloroBenazamil HCI,
 - 4-phenylcinnamoylguanidine,
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 2-ethoxycinnamoylguanidine,
 - cinnamoylguanidine hydrochloride,
 - 4-ethoxycinnamoylguanidine,
 - (2-Bromocinnamoyl)guanidine,
 - 2,6-dichlorocinnamoylguanidine,
 - 3,4,5-trimethoxycinnamoylguanidine,
 - 5-tert-butylamino-amiloride,
 - 3-t-butylcinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - (4-Chlorocinnamoyl)guanidine,
 - 2-t-butylcinnamoylguanidine,
 - 2-cyclohexylcinnamoylguanidine,
 - 6-lodoamiloride,
 - 3-(trans-hept-1-en-1-yl)cinnamoylguanidine,
 - (4-Bromocinnamoyl)quanidine,
 - (4-Hydroxycinnamoyl)guanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

(3-Nitrocinnamoyl)guanidine,

3-fluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

2-ethylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

2-napthoylguanidine,

5-(4-fluorophenyl)amiloride,

2-(trifluoromethyl)cinnamoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

1-napthoylguanidine,

Benzamil hydrochloride,

3-methoxy -HMA,

4-methylcinnamoylguanidine,

4-fluorocinnamoylguanidine,

3,4-(methylenedioxy)cinnamoylguanidine,

5-(N,N-hexamethylene)amiloride,

N-(cinnamoyl)-N'phenylguanidine,

5-(N-Ethyl-N-isopropyl)amiloride,

3-methylcinnamoylguanidine,

2-methylcinnamoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

trans-3-Furanacryoylguanidine,

(4-Methoxycinnamoyl)guanidine,

(2-Furanacryloyl)guanidine,

(3-phenylpropanoyl)guanidine,

2-(2-napthyl)acetoylguanidine,

Cinnamoylquanidine,

(2-Methoxycinnamoyl)guanidine,

[3-(3-Pyridyl)acryloyl]guanidine,

4-phenylbenzoylguanidine,

2,4-dichlorocinnamolyguanidine,

(3-Methoxycinnamoyl)guanidine,

2-fluorocinnamoylguanidine,

(4-Phenoxybenzoyl)quanidine,

(a-Methylcinnamoyl)quanidine.

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

(5-Phenyl-penta-2,4-dienoyl)quanidine,

(Quinoline-2-carbonyl)guanidine,

(Phenylacetyl)guanidine,

N,N'-Bis(amidino)napthalene-2,6-dicarboxamide,

6-bromo-2-napthoylguanidine,

1-bromo-2-napthoylguanidine,

2-chloro-6-fluorocinnamoylguanidine,

[(4-Chlorophenoxy-acetyl]guanidine,

Phenamil methanesulfonate salt,

N-Benzoyl-N'-cinnamoylguanidine and

N-(2-napthoyl)-N'-phenylguanidine.

- 127. (Withdrawn) The method according to claim 124, wherein said membrane ion channel is the Coronavirus E protein.
- 128. (Withdrawn) The method according to claim 124, wherein said Coronavirus is human Coronavirus 229E.
- 129. (Withdrawn) The method according to claim 128, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-isopropylcinnamoylguanidine hydrochloride,
 - 3-t-butylcinnamoylguanidine,
 - 2-t-butylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 5-bromo-2-methoxycinnamoylguanidine,
- 2,3-difluorocinnamoylguanidine,
- 3-(2-napthyl)acryloylguanidine,
- 2-phenylcinnamoylguanidine,
- 3-phenylcinnamoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 3-(trifluoromethyl)cinnamoylguanidine,
- (4-Phenoxybenzoyl)guanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
- (4-Bromocinnamoyl)guanidine,
- 5-(N,N-hexamethylene)amiloride,
- 1-napthoylguanidine,
- 5-(4-fluorophenyl)amiloride,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- (3-Bromocinnamoyl)guanidine,
- 2,5-dimethylcinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- 6-methoxy-2-naphthoylguanidine,
- (4-Chlorocinnamoyl)quanidine,
- (3-Methoxycinnamoyl)quanidine,
- 5-bromo-2-fluorocinnamoylguanidine,

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5-(N,N-Dimethyl)amiloride hydrochloride,

Cinnamoylguanidine,

(2-Methoxycinnamoyl)guanidine,

(a-Methylcinnamoyl)guanidine,

4-phenylcinnamoylguanidine,

2,6-dichlorocinnamoylguanidine,

(2-Bromocinnamoyl)guanidine,

2,4,6-trimethylcinnamoylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

(3-Chlorocinnamoyl)guanidine,

2-(1-napthyl)acetoylguanidine,

2-ethylcinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

2-ethoxycinnamoylguanidine,

3-methylcinnamoylguanidine,

2-methylcinnamoylguanidine,

3-fluorocinnamoylguanidine,

cinnamoylguanidine hydrochloride,

2,3-dimethylcinnamoylguanidine,

2-fluorocinnamoylguanidine,

4-fluorocinnamoylguanidine,

3,4-difluorocinnamoylguanidine,

5-tert-butylamino-amiloride,

2-napthoylguanidine,

N,N'-Bis(amidino)napthalene-2,6-dicarboxamide,

N,N'-Bis(3-phenylpropanoyl)guanidine,

4-methylcinnamoylguanidine,

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

3-ethoxycinnamoylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

(4-Methoxycinnamoyl)guanidine,

(2-Chlorocinnamoyl)guanidine,

(3-Nitrocinnamoyl)guanidine,

4-ethoxycinnamoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

2-(2-napthyl)acetoylguanidine and

N-(3-phenylpropanoyl)-N'-phenylguanidine.

130. (Withdrawn) The method according to claim 128, wherein said membrane ion channel is the Coronavirus E protein.

131. (Withdrawn) The method according to claim 124, wherein said Coronavirus is any one of the known Coronavirus isolates listed in Table 1.

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- 132. (Withdrawn)The method according to claim 131, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-isopropylcinnamoylguanidine hydrochloride,
- 133. (Withdrawn)The method according to claim 131 or claim 132, wherein said membrane ion channel is the Coronavirus E protein.
- 134. (Withdrawn) The method according to claim 118, wherein said virus is the Hepatitis C virus.
- 135. (Withdrawn) The method according to claim 134, wherein said compound is selected from the group consisting of
 - 2,3-dimethylcinnamoylguanidine,
 - 2,4,6-trimethylcinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - (4-Bromocinnamoyl)quanidine,
 - 2,5-dimethylcinnamoylguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine.
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 6-methoxy-2-naphthoylguanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - (4-Chlorocinnamoyl)guanidine,
 - (2-Bromocinnamoyl)guanidine,
 - 2,6-dichlorocinnamoylguanidine,
 - (3-Bromocinnamoyl)quanidine,
 - (3-Chlorocinnamoyl)guanidine,
 - 2-(trifluoromethyl)cinnamoylguanidine,
 - (4-Phenoxybenzoyl)guanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 4-isopropylcinnamoylguanidine,
 - trans-3-(1-napthyl)acryloylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 2-t-butylcinnamoylguanidine,
 - 2-ethylcinnamoylguanidine,

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4-methylcinnamoylguanidine,

5-bromo-2-methoxycinnamoylguanidine,

3-(trifluoromethoxy)cinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

1-napthoylguanidine,

to Non-Final Action dated January 5, 2011

3-t-butylcinnamoylguanidine,

4-phenylbenzoylguanidine,

(5-Phenyl-penta-2,4-dienoyl)guanidine,

N-(cinnamoyl)-N'phenylguanidine,

3-isopropylcinnamoylguanidine hydrochloride,

Benzamil hydrochloride,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

3-(2-napthyl)acryloylguanidine,

5-(N-Methyl-N-isobutyl)amiloride,

2'4 DichloroBenazamil HCI,

5-tert-butylamino-amiloride,

5-(N-Ethyl-N-isopropyl)amiloride,

(4-Methoxycinnamoyl)guanidine,

4-fluorocinnamoylguanidine,

(3-Nitrocinnamoyl)guanidine,

4-ethoxycinnamoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

3-ethoxycinnamoylguanidine,

2.3.5.6.-tetramethylcinnamoylguanidine.

4-phenylcinnamoylguanidine,

trans-3-Furanacryoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,

(2-Furanacryloyl)guanidine,

3-(cyclohex-1-en-1-yl)cinnamoylguanidine,

cinnamoylguanidine hydrochloride,

5-(N,N-hexamethylene)amiloride,

2,3-difluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

(a-Methylcinnamoyl)guanidine,

(2-Nitrocinnamoyl)guanidine,

6-lodoamiloride,

3,4-(methylenedioxy)cinnamoylguanidine,

2-ethoxycinnamoylguanidine,

Cinnamoylguanidine,

2-phenylcinnamoylguanidine,

2-(cyclohex-1-en-1yl)cinnamoylguanidine,

2-napthoylguanidine,

3-phenylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

5-(4-fluorophenyl)amiloride,

(3-Methoxycinnamoyl)guanidine,

2-fluorocinnamoylguanidine,

- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- [(4-Chlorophenoxy-acetyl]guanidine,
- (3-phenylpropanoyl)guanidine,
- 2-chloro-6-fluorocinnamoylguanidine,
- 3-fluorocinnamoylguanidine,
- 2-methylcinnamoylguanidine,
- (2-Methoxycinnamoyl)guanidine,
- 1-bromo-2-napthoylguanidine,
- 3,4,5-trimethoxycinnamoylguanidine,
- 3-methylcinnamoylguanidine,
- 3-(trans-hept-1-en-1-yl)cinnamoylguanidine,
- Phenamil methanesulfonate salt.
- 2,4-dichlorocinnamolyguanidine,
- (4-Nitrocinnamoyl)guanidine,
- 3,4-difluorocinnamoylguanidine and
- [(E)-3-(4-Dimethylaminophenyl)-2-methylacryloyl]guanidine.
- 136. (Withdrawn) The method according to claim 135, wherein said membrane ion channel is the Hepatitis C virus p7 membrane ion channel.
- 137. (Withdrawn) The method according to claim 118, wherein said mammal is a primate.
- 138. (Withdrawn) The method according to claim 134, wherein said mammal is a primate.
- 139. (Withdrawn) The method according to claim 137 or claim 138, wherein said primate is human.
- 140. (Withdrawn) The method according to claim 118, wherein said compound is provided as a pharmaceutical composition according to claim 2 or claim 3.
- 141. (Withdrawn) A method for the therapeutic or prophylactic treatment of a subject infected with or exposed to a virus comprising administering to said subject a compound according to claim 1, wherein said compound downregulates functional activity of a membrane ion channel derived from said virus.

142. (Withdrawn) The method according to claim 141, wherein said virus is a Lentivirus.

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- 143. (Withdrawn) The method according to claim 142, wherein said Lentivirus is Human Immunodeficiency Virus (HIV).
- 144. (Withdrawn) The method according to claim 143, wherein said membrane ion channel is the HIV Vpu membrane ion channel.
- 145. (Withdrawn) The method according to claim 144, wherein said compound is selected from the group consisting of
 - (3-Chlorocinnamoyl)guanidine,
 - (3-Bromocinnamoyl)guanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - (2-Bromocinnamoyl)guanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 5-bromo-2-fluorocinnamoylguanidine,
 - 3-methylcinnamoylguanidine,
 - 2-methylcinnamoylguanidine,
 - 2,3-dimethylcinnamoylguanidine,

Cinnamoylguanidine,

6-methoxy-2-naphthoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

- 3,4-dichlorocinnamoylguanidine,
- 2,6-dichlorocinnamoylguanidine,
- 4-phenylbenzoylguanidine,
- 2-ethylcinnamoylguanidine,
- (4-Chlorocinnamoyl)guanidine,,
- 2-napthoylguanidine,
- 2,5-dimethylcinnamoylguanidine,
- 3-isopropylcinnamoylguanidine hydrochloride,
- (5-Phenyl-penta-2,4-dienoyl)quanidine,
- 3-phenylcinnamoylguanidine,
- (4-Bromocinnamoyl)guanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
- 3-(trifluoromethoxy)cinnamoylguanidine,
- 2-(trifluoromethyl)cinnamoylguanidine,
- N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,
- 2-ethoxycinnamoylguanidine,
- N-(3-phenylpropanoyl)-N'-phenylguanidine,
- 4-(trifluoromethyl)cinnamoylguanidine,
- (4-Methoxycinnamoyl)guanidine,

- 2-t-butylcinnamoylguanidine,
- 4-methylcinnamoylguanidine,
- 2-fluorocinnamoylguanidine,
- 2-phenylcinnamoylguanidine,
- N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,
- 3-t-butylcinnamoylguanidine,
- 3,4-difluorocinnamoylguanidine,
- 5-(N,N-hexamethylene)amiloride,
- 3-fluorocinnamoylguanidine,
- 5-bromo-2-methoxycinnamoylguanidine,
- 3-ethoxycinnamoylguanidine,
- 3,4-(methylenedioxy)cinnamoylguanidine,
- (2-Methoxycinnamoyl)guanidine,
- 2'4 DichloroBenazamil HCI,
- 2,3,5,6,-tetramethylcinnamoylguanidine,
- 3-(2-napthyl)acryloylguanidine,
- 2-(1-napthyl)acetoylguanidine,
- 2,3-difluorocinnamoylguanidine,
- (3-Methoxycinnamoyl)guanidine,
- 4-isopropylcinnamoylguanidine,
- 2,4,6-trimethylcinnamoylguanidine,
- N-(cinnamoyl)-N'phenylguanidine,
- 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
- 2-(2-napthyl)acetoylguanidine,
- (4-Hydroxycinnamoyl)guanidine,
- 4-phenylcinnamoylguanidine.
- 4-fluorocinnamoylguanidine,
- N,N'-bis-(cinnamoyl)-N"-phenylguanidine,
- (2-FuranacryloyI)guanidine,

Phenamil methanesulfonate salt,

Benzamil hydrochloride,

(3-Nitrocinnamoyl)guanidine,

Benzyoylguanidine,

- (4-Phenoxybenzoyl)guanidine,
- 3-(trans-hept-1-en-1-yl)cinnamoylguanidine,
- 5-(N-Methyl-N-isobutyl)amiloride,
- 2-cyclohexylcinnamoylguanidine,
- 4-ethoxycinnamoylguanidine,
- 2,4-dichlorocinnamolyguanidine,
- 5-(N-Ethyl-N-isopropyl)amiloride,

N-amidino-3-amino-5-hexamethyleneimino-6-phenyl-

- 2-pyrazinecarboxamide,
- (a-Methylcinnamoyl)guanidine,

cinnamoylguanidine hydrochloride,

[(4-Chlorophenoxy-acetyl]guanidine,

N-amidino-3-amino-5-phenyl-6-chloro-2-pyrazinecarboxamide,

5-(4-fluorophenyl)amiloride,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

(2-Nitrocinnamoyl)guanidine,

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trans-3-Furanacryoylguanidine,
1-napthoylguanidine,
5-tert-butylamino-amiloride,
3-methoxy –HMA,
(3-phenylpropanoyl)guanidine,
4-t-butylcinnamoylguanidine,
5-(N,N-Dimethyl)amiloride hydrochloride,
N,N'-Bis(3-phenylpropanoyl)guanidine,
N-Benzoyl-N'-cinnamoylguanidine and
1-bromo-2-napthoylguanidine.

- 146. (Withdrawn) The method according to claim 143, wherein said HIV is HIV-1.
- 147. (Withdrawn) The method according to claim 141, wherein said virus is a Coronavirus.
- 148. (Withdrawn) The method according to claim 147, wherein said membrane ion channel is the Coronavirus E protein.
- 149. (Withdrawn) The method according to claim 148, wherein said Coronavirus is the Severe Acute Respiratory Syndrome virus (SARS).
- 150. (Withdrawn) The method according to claim 149, wherein said compound is selected from the group consisting of
 - 2,3-difluorocinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-(2-napthyl)acryloylguanidine,
 - (3-Chlorocinnamoyl)quanidine,
 - 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
 - 2,5-dimethylcinnamoylguanidine,
 - trans-3-(1-napthyl)acryloylguanidine,
 - 4-isopropylcinnamoylquanidine,
 - (3-Bromocinnamoyl)guanidine,
 - 6-methoxy-2-naphthoylguanidine,
 - 5-(N-Methyl-N-isobutyl)amiloride,
 - 3-phenylcinnamoylguanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - 2'4 DichloroBenazamil HCI.
 - 4-phenylcinnamoylguanidine,
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,

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3-(trifluoromethyl)cinnamoylguanidine,

2-ethoxycinnamoylguanidine,

cinnamoylguanidine hydrochloride,

4-ethoxycinnamoylguanidine,

(2-Bromocinnamoyl)guanidine,

2,6-dichlorocinnamoylguanidine,

3,4,5-trimethoxycinnamoylguanidine,

5-tert-butylamino-amiloride,

3-t-butylcinnamoylguanidine,

5-bromo-2-fluorocinnamoylguanidine,

(4-Chlorocinnamoyl)guanidine,

2-t-butylcinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

6-lodoamiloride,

3-(trans-hept-1-en-1-yl)cinnamoylguanidine,

(4-Bromocinnamoyl)guanidine,

(4-Hydroxycinnamoyl)guanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

(3-NitrocinnamoyI)guanidine,

3-fluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

2-ethylcinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

2-napthoylguanidine,

5-(4-fluorophenyl)amiloride,

2-(trifluoromethyl)cinnamoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

1-napthoylguanidine,

Benzamil hydrochloride,

3-methoxy –HMA,

4-methylcinnamoylguanidine,

4-fluorocinnamoylguanidine,

3,4-(methylenedioxy)cinnamoylguanidine,

5-(N,N-hexamethylene)amiloride,

N-(cinnamoyl)-N'phenylguanidine,

5-(N-Ethyl-N-isopropyl)amiloride,

3-methylcinnamoylguanidine,

2-methylcinnamoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

trans-3-Furanacryoylguanidine,

(4-Methoxycinnamoyl)guanidine,

(2-Furanacryloyl)guanidine,

(3-phenylpropanoyl)guanidine,

2-(2-napthyl)acetoylguanidine,

Cinnamoylquanidine,

(2-Methoxycinnamoyl)guanidine,

[3-(3-Pyridyl)acryloyl]guanidine,

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- 4-phenylbenzoylguanidine,
- 2,4-dichlorocinnamolyguanidine,
- (3-Methoxycinnamoyl)guanidine,
- 2-fluorocinnamoylguanidine,
- (4-Phenoxybenzoyl)guanidine,
- (a-Methylcinnamoyl)guanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- (5-Phenyl-penta-2,4-dienoyl)guanidine,
- (Quinoline-2-carbonyl)guanidine,
- (Phenylacetyl)guanidine,
- N,N'-Bis(amidino)napthalene-2,6-dicarboxamide,
- 6-bromo-2-napthoylguanidine,
- 1-bromo-2-napthoylguanidine,
- 2-chloro-6-fluorocinnamoylguanidine,
- [(4-Chlorophenoxy-acetyl]guanidine,
- Phenamil methanesulfonate salt,
- N-Benzoyl-N'-cinnamoylguanidine and
- N-(2-napthoyl)-N'-phenylguanidine.
- 151. (Withdrawn) The method according to claim 148, wherein said Coronavirus is human Coronavirus 229E.
- 152. (Withdrawn) The method according to claim 151, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 4-t-butylcinnamoylquanidine,
 - 3-isopropylcinnamoylguanidine hydrochloride,
 - 3-t-butylcinnamoylguanidine.
 - 2-t-butylcinnamoylguanidine,
 - trans-3-(1-napthyl)acryloylguanidine,
 - 5-bromo-2-methoxycinnamoylguanidine,
 - 2,3-difluorocinnamoylguanidine,
 - 3-(2-napthyl)acryloylguanidine,
 - 2-phenylcinnamoylguanidine,
 - 3-phenylcinnamoylguanidine,
 - 3-(cyclohex-1-en-1-yl)cinnamoylguanidine,
 - 4-phenylbenzoylguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - (4-Phenoxybenzoyl)guanidine,
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 2-(cyclohex-1-en-1yl)cinnamoylguanidine,
 - (4-Bromocinnamoyl)guanidine,

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5-(N,N-hexamethylene)amiloride,

1-napthoylguanidine,

5-(4-fluorophenyl)amiloride,

(5-Phenyl-penta-2,4-dienoyl)guanidine,

(3-Bromocinnamoyl)guanidine,

2,5-dimethylcinnamoylguanidine,

2-(trifluoromethyl)cinnamoylguanidine,

6-methoxy-2-naphthoylguanidine,

(4-Chlorocinnamoyl)guanidine,

(3-Methoxycinnamoyl)guanidine,

5-bromo-2-fluorocinnamoylguanidine,

5-(N,N-Dimethyl)amiloride hydrochloride,

Cinnamoylguanidine,

(2-Methoxycinnamoyl)guanidine,

(a-Methylcinnamoyl)guanidine,

4-phenylcinnamoylguanidine,

2,6-dichlorocinnamoylguanidine,

(2-Bromocinnamoyl)guanidine,

2,4,6-trimethylcinnamoylguanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

(3-Chlorocinnamoyl)quanidine,

2-(1-napthyl)acetoylguanidine,

2-ethylcinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

2-ethoxycinnamoylguanidine,

3-methylcinnamoylguanidine,

2-methylcinnamoylguanidine,

3-fluorocinnamoylguanidine,

cinnamoylquanidine hydrochloride,

2,3-dimethylcinnamoylguanidine,

2-fluorocinnamoylguanidine,

4-fluorocinnamoylguanidine,

3,4-difluorocinnamoylguanidine,

5-tert-butylamino-amiloride,

2-napthoylguanidine,

N,N'-Bis(amidino)napthalene-2,6-dicarboxamide,

N,N'-Bis(3-phenylpropanoyl)quanidine,

4-methylcinnamoylguanidine,

5-(3'-bromophenyl)penta-2,4-dienoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

3-ethoxycinnamoylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

(4-Methoxycinnamoyl)guanidine,

(2-Chlorocinnamoyl)guanidine,

(3-NitrocinnamoyI)guanidine,

- 4-ethoxycinnamoylguanidine,
- 3,4,5-trimethoxycinnamoylguanidine,
- 2-(2-napthyl)acetoylguanidine and
- N-(3-phenylpropanoyl)-N'-phenylguanidine.
- 153. (Withdrawn) The method according to claim 148, wherein said Coronavirus is any one of the known Coronavirus isolates listed in Table 1.
- 154. (Withdrawn) The method according to claim 153, wherein said compound is selected from the group consisting of
 - 4-isopropylcinnamoylguanidine,
 - 3,4-dichlorocinnamoylguanidine,
 - 3-(trifluoromethoxy)cinnamoylguanidine,
 - 4-t-butylcinnamoylguanidine,
 - 3-isopropylcinnamoylguanidine hydrochloride,
- 155. (Withdrawn) The method according to claim 141, wherein said virus is the Hepatitis C virus.
- 156. (Withdrawn) The method according to claim 155, wherein said membrane ion channel is the Hepatitis C virus p7 membrane ion channel.
- 157. (Withdrawn) The method according to claim 156, wherein said compound is selected from the group consisting of
 - 2,3-dimethylcinnamoylguanidine,
 - 2,4,6-trimethylcinnamoylguanidine.
 - 5-bromo-2-fluorocinnamoylguanidine,
 - (4-Bromocinnamoyl)guanidine,
 - 2.5-dimethylcinnamoylguanidine,
 - 3-(trifluoromethyl)cinnamoylguanidine,
 - 4-(trifluoromethyl)cinnamoylguanidine,
 - 6-methoxy-2-naphthoylguanidine,
 - (2-Chlorocinnamoyl)guanidine,
 - (4-Chlorocinnamoyl)quanidine,
 - (2-Bromocinnamoyl)quanidine,
 - 2,6-dichlorocinnamoylguanidine,
 - (3-Bromocinnamoyl)guanidine,
 - (3-Chlorocinnamoyl)guanidine,
 - 2-(trifluoromethyl)cinnamoylguanidine,
 - (4-Phenoxybenzoyl)guanidine,

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3,4-dichlorocinnamoylguanidine,

4-isopropylcinnamoylguanidine,

trans-3-(1-napthyl)acryloylguanidine,

4-t-butylcinnamoylguanidine,

2-t-butylcinnamoylguanidine,

2-ethylcinnamoylguanidine,

4-methylcinnamoylguanidine,

5-bromo-2-methoxycinnamoylguanidine,

3-(trifluoromethoxy)cinnamoylguanidine,

2-cyclohexylcinnamoylguanidine,

1-napthoylguanidine,

3-t-butylcinnamoylguanidine,

4-phenylbenzoylguanidine,

(5-Phenyl-penta-2,4-dienoyl)guanidine,

N-(cinnamoyl)-N'phenylguanidine,

3-isopropylcinnamoylguanidine hydrochloride,

Benzamil hydrochloride,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

3-(2-napthyl)acryloylguanidine,

5-(N-Methyl-N-isobutyl)amiloride,

2'4 DichloroBenazamil HCI,

5-tert-butylamino-amiloride,

5-(N-Ethyl-N-isopropyl)amiloride,

(4-Methoxycinnamoyl)guanidine,

4-fluorocinnamovlguanidine.

(3-Nitrocinnamoyl)guanidine,

4-ethoxycinnamoylguanidine,

(4-Hydroxycinnamoyl)guanidine,

(trans-2-Phenylcyclopropanecarbonyl)quanidine,

3-ethoxycinnamoylguanidine,

2,3,5,6,-tetramethylcinnamoylguanidine,

4-phenylcinnamoylguanidine,

trans-3-Furanacryoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,

(2-Furanacryloyl)quanidine,

3-(cyclohex-1-en-1-yl)cinnamoylguanidine,

cinnamoylguanidine hydrochloride,

5-(N,N-hexamethylene)amiloride,

2,3-difluorocinnamoylguanidine,

2-(1-napthyl)acetoylguanidine,

(a-Methylcinnamoyl)guanidine,

(2-Nitrocinnamoyl)guanidine,

6-lodoamiloride,

3,4-(methylenedioxy)cinnamoylguanidine,

2-ethoxycinnamoylguanidine,

Cinnamoylguanidine,

2-phenylcinnamoylguanidine,

2-(cyclohex-1-en-1yl)cinnamoylguanidine,

- 2-napthoylguanidine,
- 3-phenylcinnamoylguanidine,
- 5-(N,N-Dimethyl)amiloride hydrochloride,
- 5-(4-fluorophenyl)amiloride,
- (3-Methoxycinnamoyl)guanidine,
- 2-fluorocinnamoylguanidine,
- 5-(3'-bromophenyl)penta-2,4-dienoylguanidine,
- [(4-Chlorophenoxy-acetyl]guanidine,
- (3-phenylpropanoyl)guanidine,
- 2-chloro-6-fluorocinnamoylguanidine,
- 3-fluorocinnamoylguanidine,
- 2-methylcinnamoylguanidine,
- (2-Methoxycinnamoyl)guanidine,
- 1-bromo-2-napthoylquanidine,
- 3,4,5-trimethoxycinnamoylguanidine,
- 3-methylcinnamoylguanidine,
- 3-(trans-hept-1-en-1-yl)cinnamoylguanidine,
- Phenamil methanesulfonate salt,
- 2,4-dichlorocinnamolyguanidine,
- (4-Nitrocinnamoyl)guanidine,
- 3,4-difluorocinnamoylguanidine and
- [(E)-3-(4-Dimethylaminophenyl)-2-methylacryloyl]guanidine.
- 158. (Withdrawn) The method according to claim 141, wherein said mammal is a primate.
- 159. (Withdrawn) The method according to claim 155, wherein said mammal is a primate.
- 160. (Withdrawn) The method according to claim 158 or claim 159, wherein said primate is human.
- (Previously presented) An antiviral compound selected from the group consisting of
 - 5-(N-methyl-N-guanidinocarbonyl-methyl)amiloride,
 - 5-(N-Methyl-N-isobutyl)amiloride,
 - 5-(N,N-Dimethyl)amiloride hydrochloride,
 - 5-(N,N-hexamethylene)amiloride,
 - 5-(N,N-Diethyl)amiloride hydrochloride,
 - 3-hydroxy-5-hexamethyleneimino-amiloride,

5-tert-butylamino-amiloride,

hexamethyleneimino-6-phenyl-2-pyrazinecarboximide,

N-amidino-3,5-diamino-6-phenyl-2-pyrazinecarboxamide,

N,N'-bis(1-napthoyl)guanidine,

cinnamoylguanidine,

4-phenylbenzoylguanidine,

N-(cinnamoyl)-N'phenylguanidine,

(3-phenylpropanoyl)guanidine,

N,N'-bis-(cinnamoyl)-N"-phenylguanidine,

N-(3-phenylpropanoyl)-N'-phenylguanidine,

N,N'-bis(3phenylpropanoyl)-N"-phenylguanidine,

trans-3-furanacryoylguanidine,

N-(6-Hydroxy-2-napthoyl)-N'-phenylguanidine,

(4-Phenoxybenzoyl)guanidine,

N,N'-Bis(amidino)napthalene-2,6-dicarboxamide,

N"-Cinnamoyl-N,N'-diphenylguanidine,

(Phenylacetyl)guanidine,

N,N'-Bis(3-phenylpropanoyl)guanidine,

benzyoylguanidine,

N-benzoyl-N'-cinnamoylguanidine,

[(E)-3-(4-Dimethylaminophenyl)-2-methylacryloyl]guanidine,

(5-Phenyl-penta-2,4-dienoyl)guanidine,

(trans-2-Phenylcyclopropanecarbonyl)guanidine,

[3-(3-Pyridyl)acryloyl]guanidine,

(4-Hydroxycinnamoyl)guanidine,

(Quinoline-2-carbonyl)guanidine,

or pharmaceutically acceptable salts thereof.

162. (Original) A pharmaceutical composition comprising a compound according to claim 161, and optionally one or more pharmaceutical acceptable carriers or derivatives.

- 163. (Original) The pharmaceutical composition according to claim 162, further comprising one or more known antiviral compounds.
- 164. (Withdrawn) The method according to any one of claims 4, 30, 56, 82, 100,118 or 141, wherein said compound is selected from the antiviral compounds according to claim 161.
- 165. (Withdrawn) The method according to any one of claims 4, 30, 56, 82,100, 118 or 141, wherein said virus is Dengue virus and said compound is selected from the group consisting of cinnamoylguanidine, (2-chlorocinnamoyl)guanidine or trans –3-(1-napthyl)acryloylguanidine.
- 166. (Withdrawn) The pharmaceutical composition according to claim 165, further comprising one or more known antiviral compounds.
- 167. (Withdrawn) The method according to any one of claims 6 8,12 ,13, 16, 19, 21, 23, 25, 27, 29, 31, 32 to 34, 37 to 39, 42, 45, 47, 49, 51, 53, 55, 57, 58 to 60, 63 to 65, 68, 71, 73, 75, 77, 79, 81, 83 to 87, 89 to 92, 94 to 96, 98, 99, 101, 102, 103 to 105, 107 to 110, 112 to 114, 116, 117, 119, 120-122, 124-127, 129-131, 133-134, 136, 137, 139-147, 149-152, 154, 156, 158, or 159, wherein said compound is selected from the antiviral compounds according to claim 164.
- 168. (Withdrawn) The method according to any one of claims 6, 31,58,84,102 or 144, wherein said virus is Dengue virus and said compound is selected from the group consisting of cinnamoylguanidine, (2-chlorocinnamoyl)guanidine or trans –3-(1-napthyl)acryloylguanidine.
- 169. (Previously presented) An antiviral compound of Formula I

$$R_1 \xrightarrow{O} \underset{H}{\overset{N}{\underset{N}{\bigvee}}} R_3$$

or pharmaceutically acceptable salts thereof, wherein,

$$R_1 = R_j$$

 R_2 , R_3 and R_4 are independently hydrogen,

and wherein

 R_k = hydrogen;

 R_n , R_o , R_p independently = hydrogen, amino, C_{1-5} alkyl, hydroxy, aryl, substituted aryl, substituted amino, mono or dialkyl-substituted amino, cycloalkyl-substituted amino, aryl-substituted amino,

 R_j = amino, C_{1-5} alkyl, hydroxy, aryl, substituted aryl, substituted amino, alkyl-substituted amino, cycloalkyl-substituted amino, aryl-substituted amino, PrS,